

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080124\
 Data File : VL041484.D
 Acq On : 1 Aug 2024 19:09
 Operator : SY/MD
 Sample : P3445-03DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BASEMENTDL

Quant Time: Aug 02 04:14:03 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 : Fri Aug 02 03:13:29 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	861722	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2405133	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2205567	10.000	ppbv	# 0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	1694351	9.982	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.800%

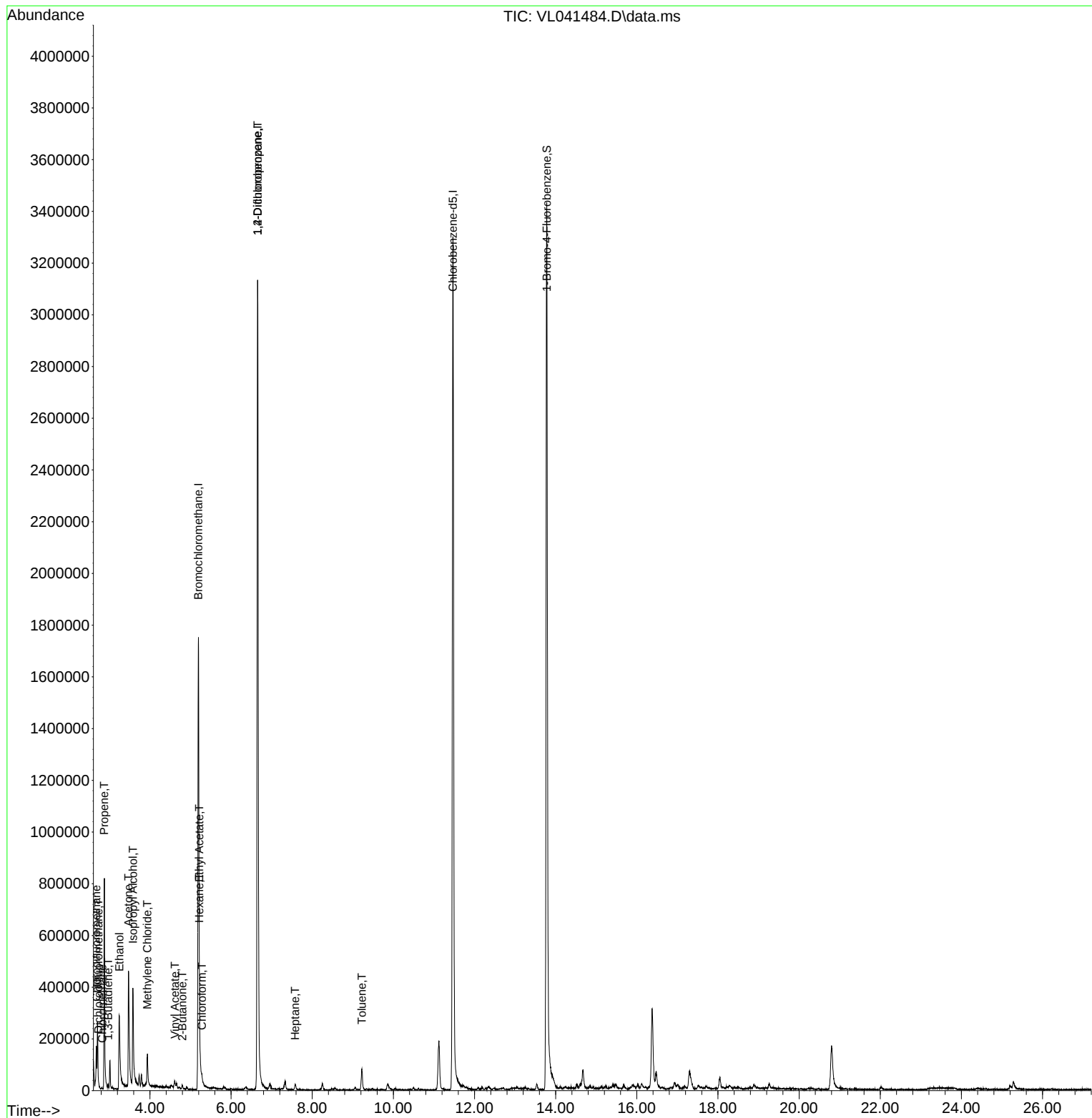
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.729	85	6088	0.041	ppbv	91
3) Chlorodifluoromethane	2.677	51	161950	1.579	ppbv	97
4) Chloromethane	2.822	50	4578	0.084	ppbv	# 85
9) Propene	2.874	41	217956	4.625	ppbv	99
10) Heptane	7.578	43	6717	0.063	ppbv	# 70
13) Ethanol	3.247	45	362572	86.083	ppbv	92
15) Acetone	3.472	43	496933	5.075	ppbv	98
16) 1,3-Butadiene	2.970	39	1930	0.037	ppbv	# 40
19) Isopropyl Alcohol	3.581	45	412416	7.205	ppbv	99
20) Methylene Chloride	3.938	84	41205	1.129	ppbv	93
23) Vinyl Acetate	4.620	43	8606	0.115	ppbv	# 19
25) Ethyl Acetate	5.214	43	38820	0.200	ppbv	# 95
26) Hexane	5.218	57	13278	0.165	ppbv	# 39
29) Chloroform	5.279	83	10377	0.079	ppbv	# 70
34) 2-Butanone	4.796	43	10809	0.093	ppbv	# 60
39) 1,2-Dichloropropane	6.655	63	607115	9.023	ppbv	# 25
53) Toluene	9.224	91	50023	0.256	ppbv	95

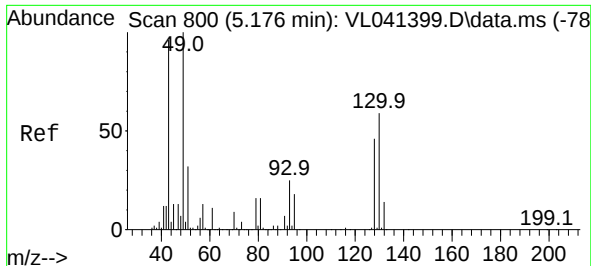
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Aug 02 03:13:29 2024
Response via : Initial Calibration

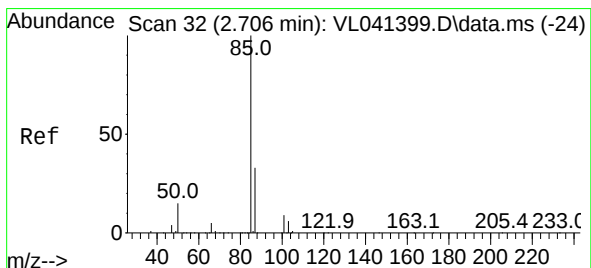
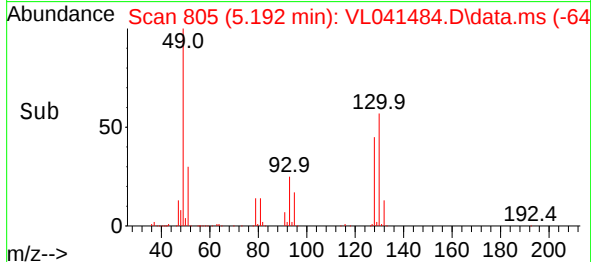
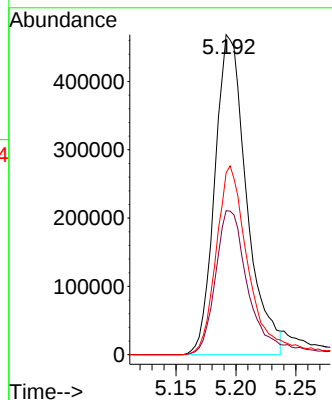
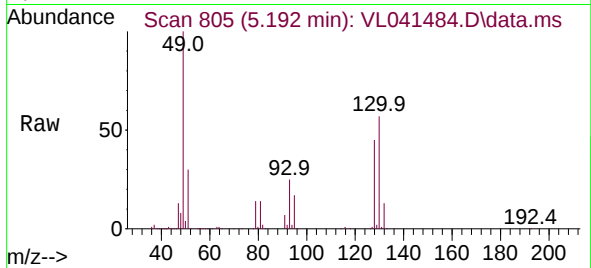




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL041484.D
Acq: 1 Aug 2024 19:09

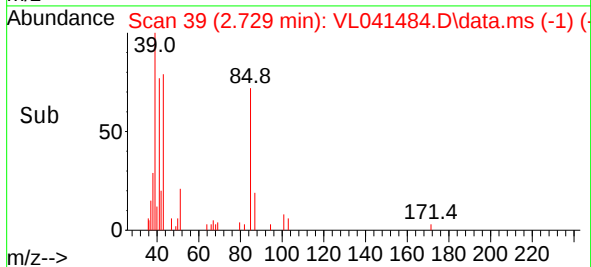
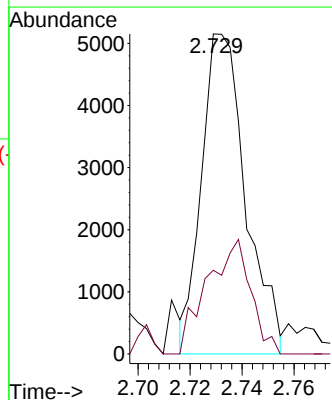
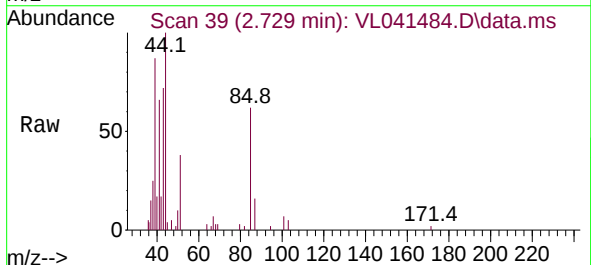
Instrument :
MSVOA_1
ClientSampleId :
BASEMENTDL

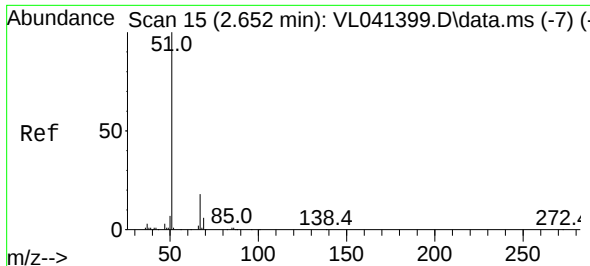
Tgt Ion: 49 Resp: 861722
Ion Ratio Lower Upper
49 100
128 48.8 23.8 71.4
130 62.9 30.8 92.4



#2
Dichlorodifluoromethane
Concen: 0.041 ppbv
RT: 2.729 min Scan# 39
Delta R.T. 0.000 min
Lab File: VL041484.D
Acq: 1 Aug 2024 19:09

Tgt Ion: 85 Resp: 6088
Ion Ratio Lower Upper
85 100
87 27.7 26.0 39.0

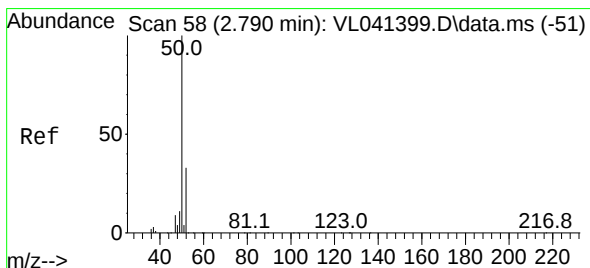
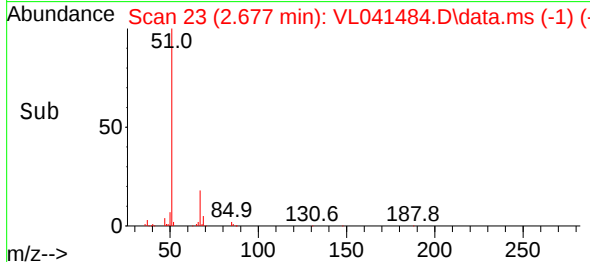
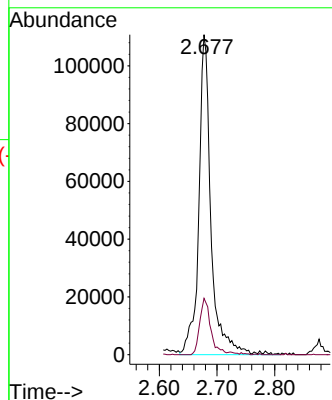
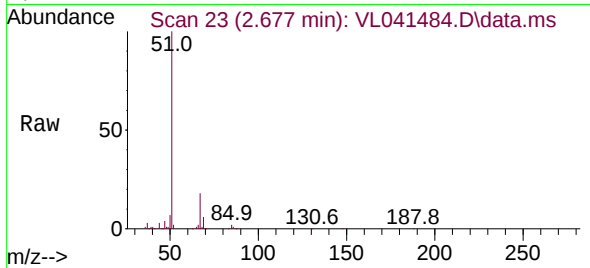




#3
Chlorodifluoromethane
Concen: 1.579 ppbv
RT: 2.677 min Scan# 24
Delta R.T. 0.003 min
Lab File: VL041484.D
Acq: 1 Aug 2024 19:09

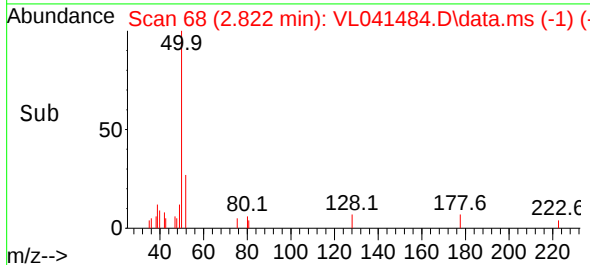
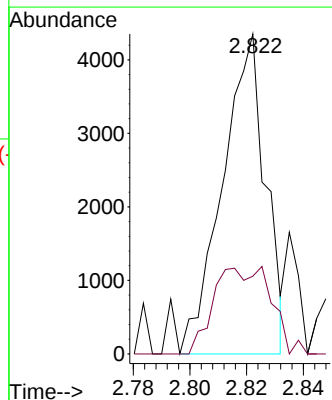
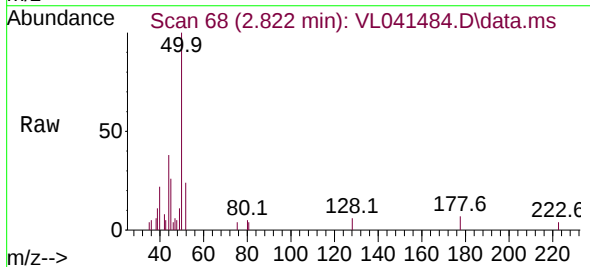
Instrument :
MSVOA_L
ClientSampleId :
BASEMENTDL

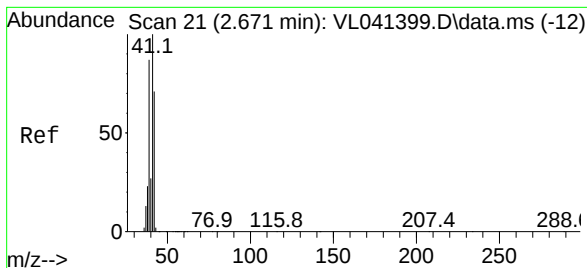
Tgt Ion: 51 Resp: 161950
Ion Ratio Lower Upper
51 100
67 16.5 14.5 21.7



#4
Chloromethane
Concen: 0.084 ppbv
RT: 2.822 min Scan# 68
Delta R.T. 0.010 min
Lab File: VL041484.D
Acq: 1 Aug 2024 19:09

Tgt Ion: 50 Resp: 4578
Ion Ratio Lower Upper
50 100
52 24.3 26.1 39.1#





#9

Propene

Concen: 4.625 ppbv

RT: 2.874 min Scan# 84

Delta R.T. 0.180 min

Lab File: VL041484.D

Acq: 1 Aug 2024 19:09

Instrument :

MSVOA_L

ClientSampleId :

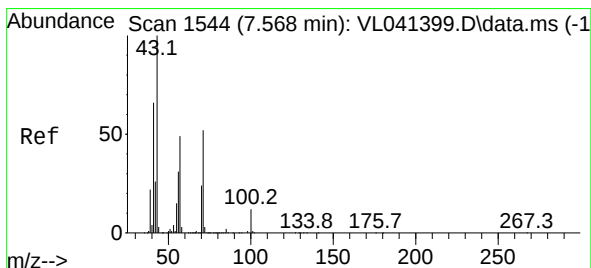
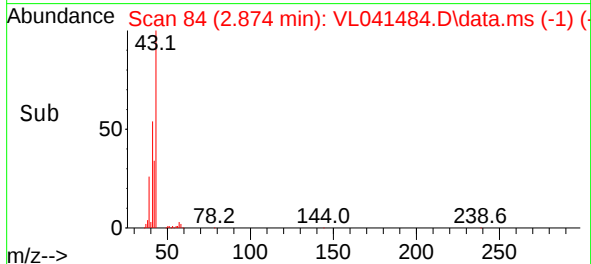
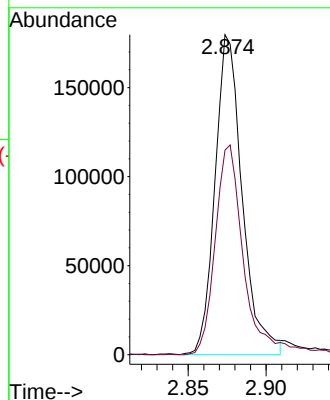
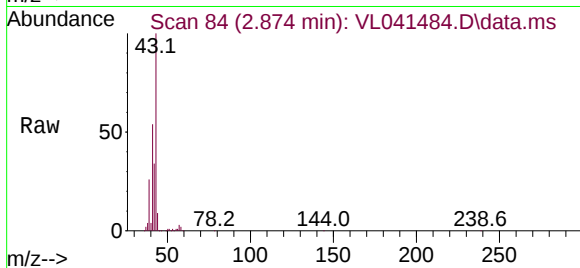
BASEMENTDL

Tgt Ion: 41 Resp: 217956

Ion Ratio Lower Upper

41 100

42 70.4 55.9 83.9



#10

Heptane

Concen: 0.063 ppbv

RT: 7.578 min Scan# 1547

Delta R.T. 0.000 min

Lab File: VL041484.D

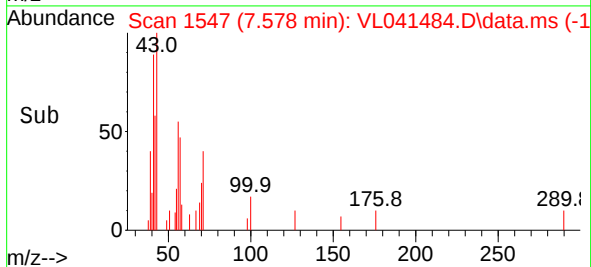
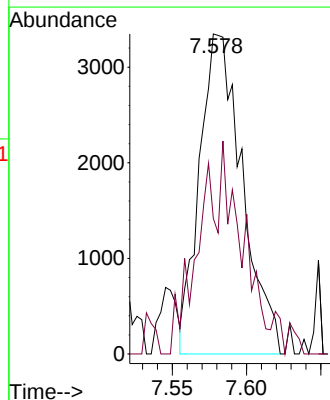
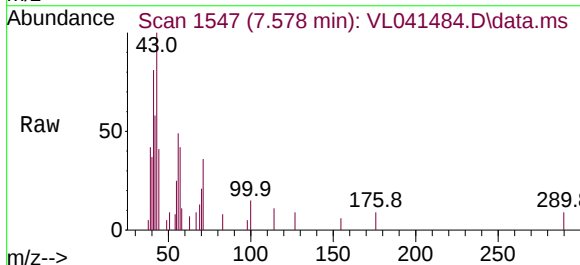
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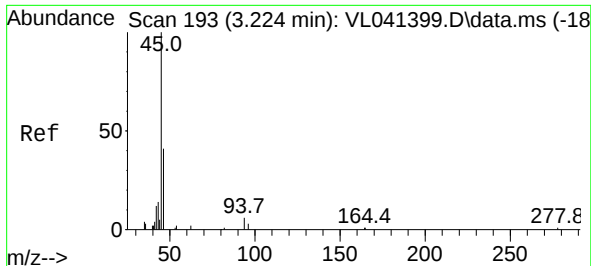
Tgt Ion: 43 Resp: 6717

Ion Ratio Lower Upper

43 100

57 71.3 40.5 60.7#





#13

Ethanol

Concen: 86.083 ppbv

RT: 3.247 min Scan# 20

Delta R.T. 0.000 min

Lab File: VL041484.D

Acq: 1 Aug 2024 19:09

Instrument :

MSVOA_L

ClientSampleId :

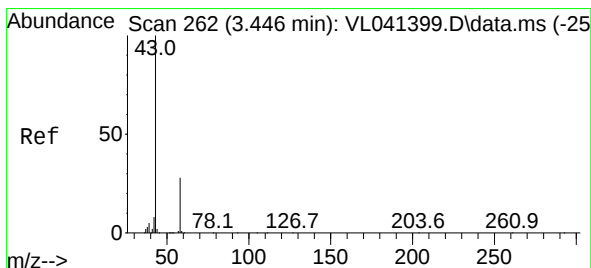
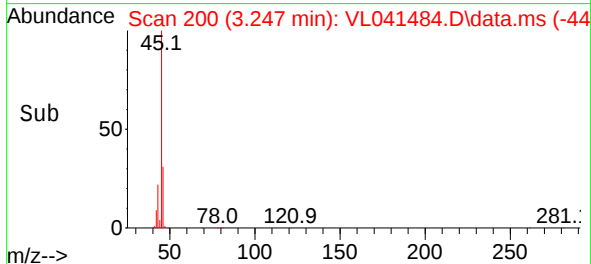
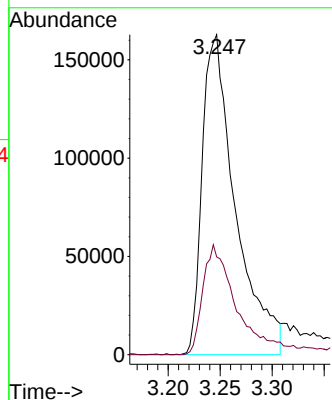
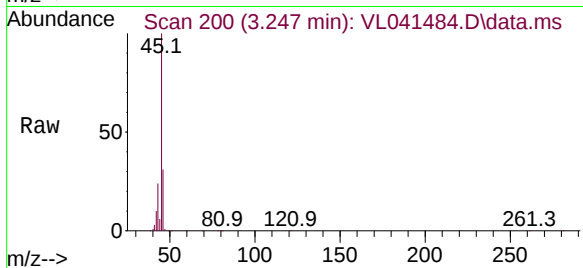
BASEMENTDL

Tgt Ion: 45 Resp: 362572

Ion Ratio Lower Upper

45 100

46 38.1 13.4 53.4



#15

Acetone

Concen: 5.075 ppbv

RT: 3.472 min Scan# 270

Delta R.T. 0.006 min

Lab File: VL041484.D

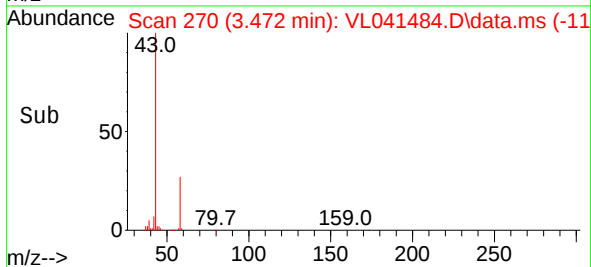
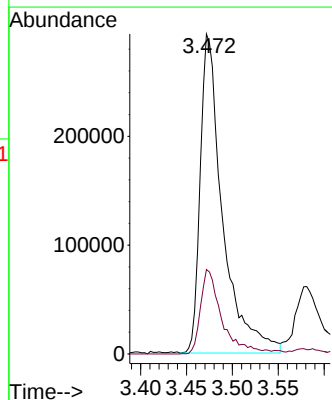
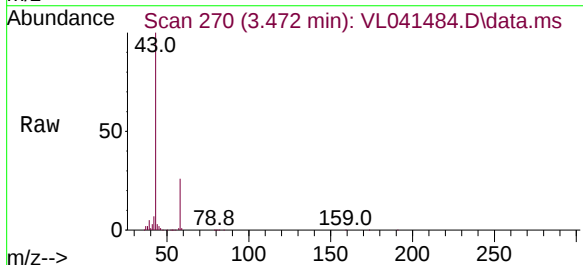
Acq: 1 Aug 2024 19:09

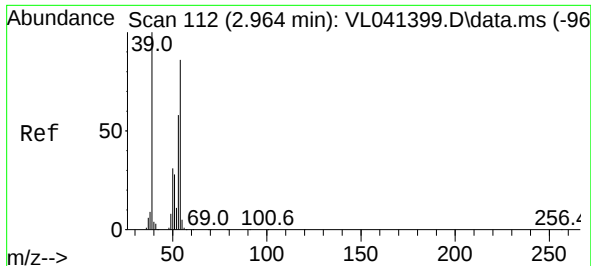
Tgt Ion: 43 Resp: 496933

Ion Ratio Lower Upper

43 100

58 25.6 21.4 32.2

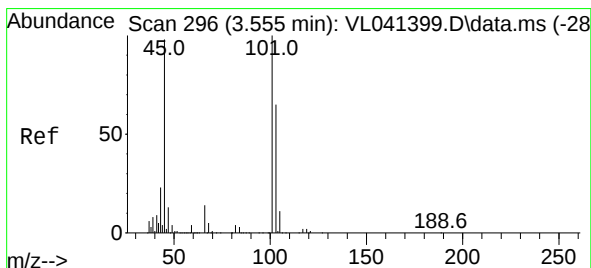
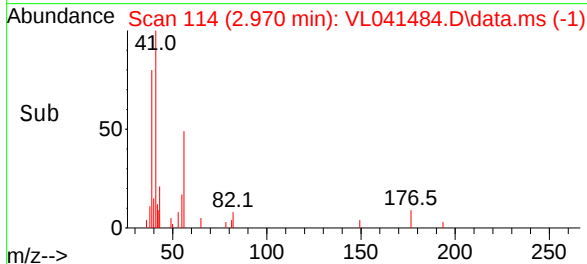
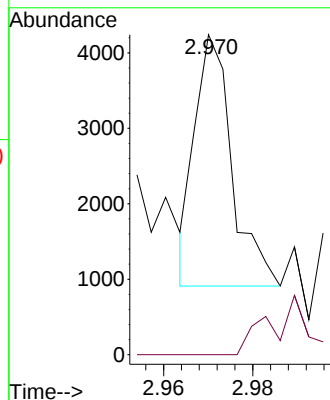
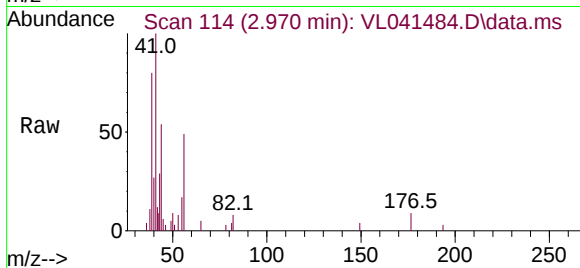




#16
1,3-Butadiene
Concen: 0.037 ppbv
RT: 2.970 min Scan# 112
Delta R.T. -0.016 min
Lab File: VL041484.D
Acq: 1 Aug 2024 19:09

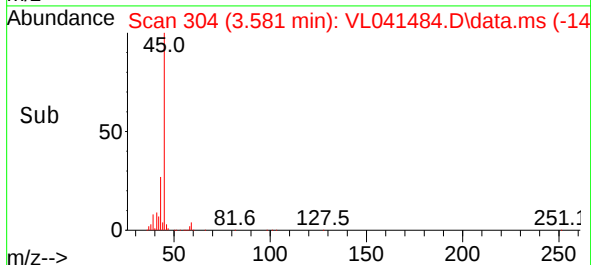
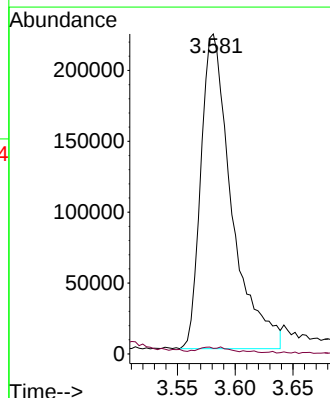
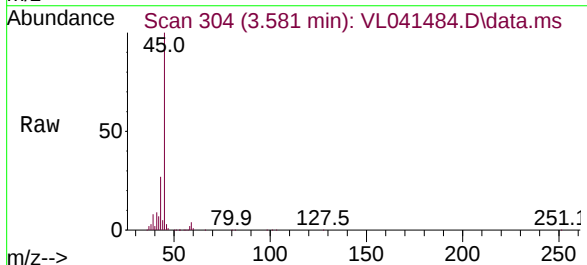
Instrument :
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BASEMENTDL

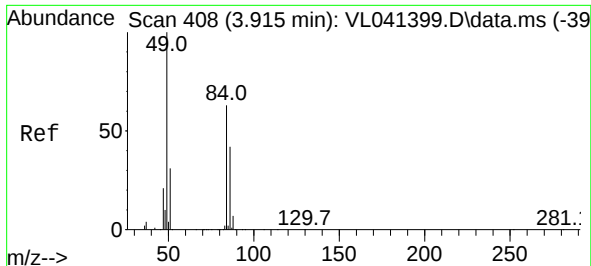
Tgt Ion: 39 Resp: 1930
Ion Ratio Lower Upper
39 100
54 26.0 62.5 93.7#



#19
Isopropyl Alcohol
Concen: 7.205 ppbv
RT: 3.581 min Scan# 304
Delta R.T. 0.006 min
Lab File: VL041484.D
Acq: 1 Aug 2024 19:09

Tgt Ion: 45 Resp: 412416
Ion Ratio Lower Upper
45 100
58 2.8 1.9 2.9





#20

Methylene Chloride

Concen: 1.129 ppbv

RT: 3.938 min Scan# 415

Delta R.T. 0.006 min

Lab File: VL041484.D

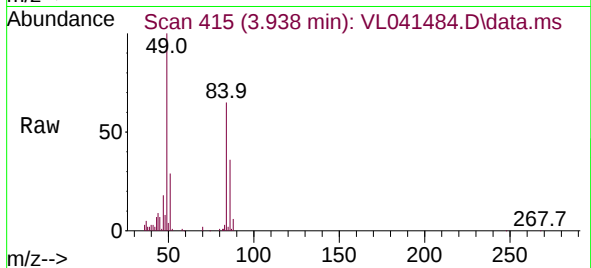
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Instrument :

MSVOA_L

ClientSampleId :

BASEMENTDL



Tgt Ion: 84 Resp: 41205

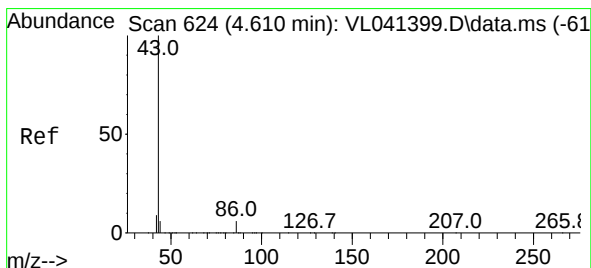
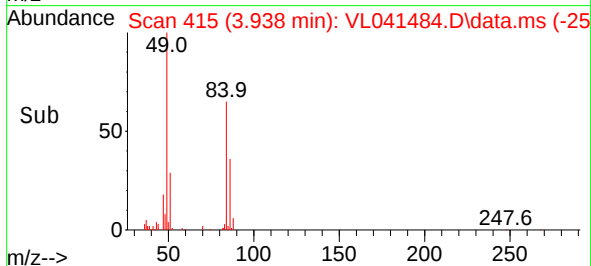
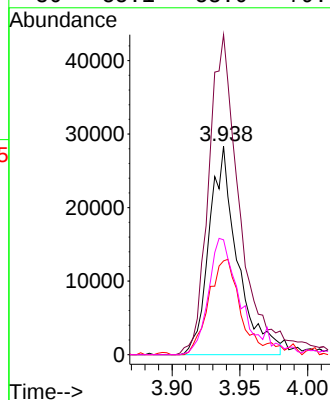
Ion Ratio Lower Upper

84 100

49 152.7 126.6 190.0

51 44.9 38.6 58.0

86 55.1 53.0 79.4



#23

Vinyl Acetate

Concen: 0.115 ppbv

RT: 4.620 min Scan# 627

Delta R.T. -0.006 min

Lab File: VL041484.D

Acq: 1 Aug 2024 19:09

Tgt Ion: 43 Resp: 8606

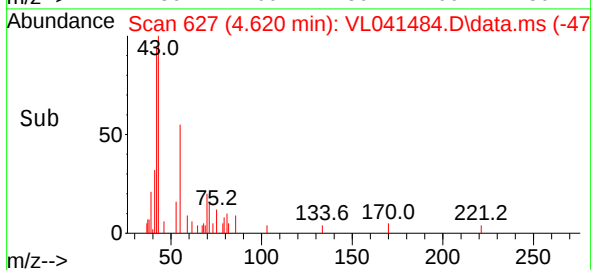
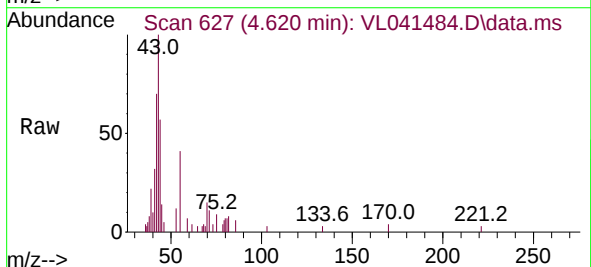
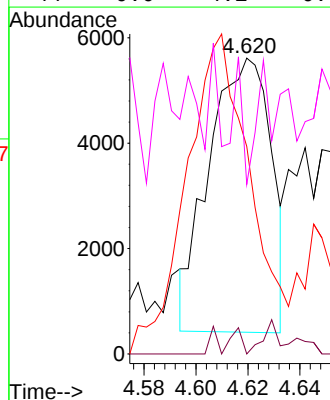
Ion Ratio Lower Upper

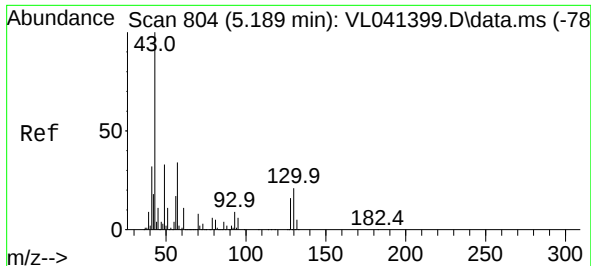
43 100

86 0.0 4.6 6.8#

42 66.6 7.9 11.9#

44 0.0 4.2 6.4#

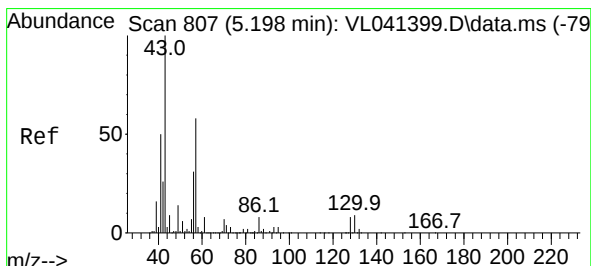
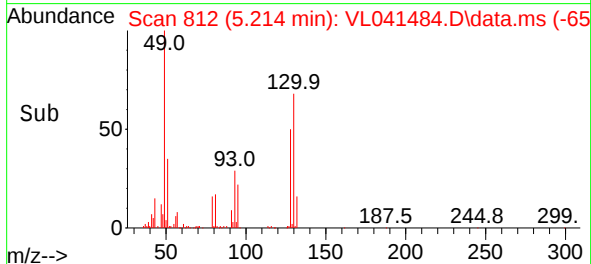
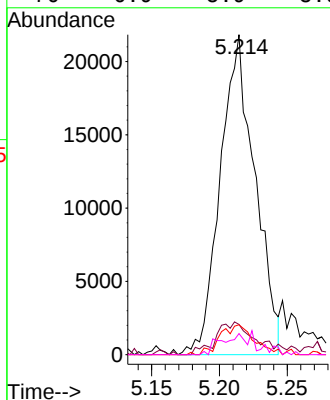
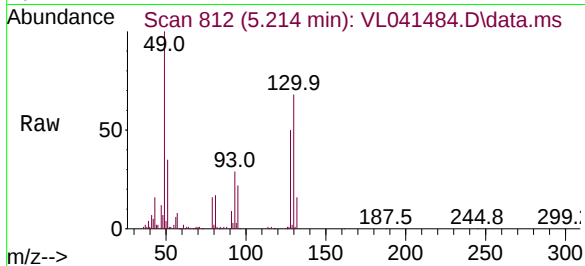




#25
Ethyl Acetate
Concen: 0.200 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.013 min
Lab File: VL041484.D
Acq: 1 Aug 2024 19:09

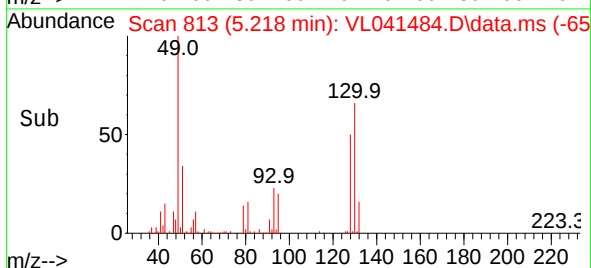
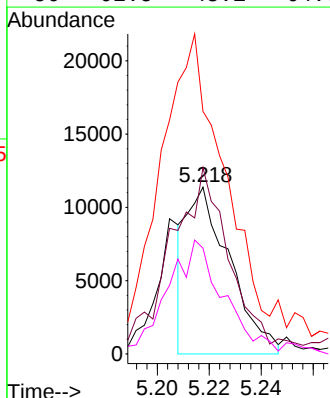
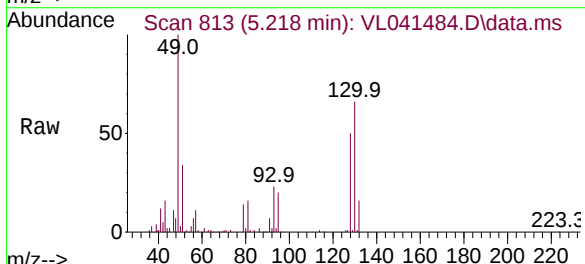
Instrument :
MSVOA_L
ClientSampleId :
BASEMENTDL

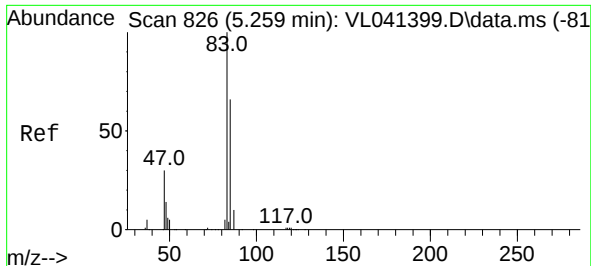
Tgt Ion: 43 Resp: 38820
Ion Ratio Lower Upper
43 100
45 15.2 8.5 12.7#
61 9.7 8.0 12.0
70 6.9 5.9 8.9



#26
Hexane
Concen: 0.165 ppbv
RT: 5.218 min Scan# 813
Delta R.T. 0.006 min
Lab File: VL041484.D
Acq: 1 Aug 2024 19:09

Tgt Ion: 57 Resp: 13278
Ion Ratio Lower Upper
57 100
41 162.5 74.0 111.0#
43 341.0 193.6 290.4#
56 92.5 43.1 64.7#





#29

Chloroform

Concen: 0.079 ppbv

RT: 5.279 min Scan# 81

Delta R.T. 0.006 min

Lab File: VL041484.D

Acq: 1 Aug 2024 19:09

Instrument :

MSVOA_L

ClientSampleId :

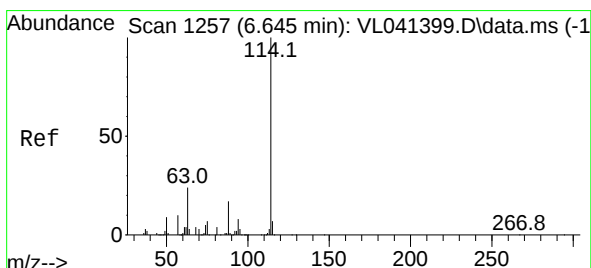
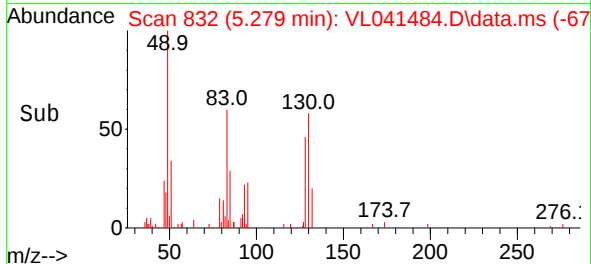
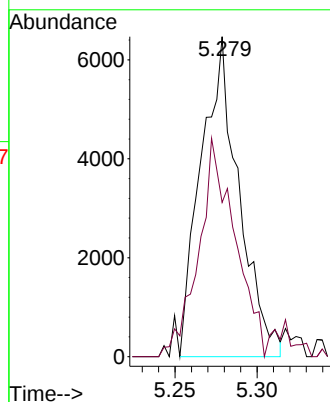
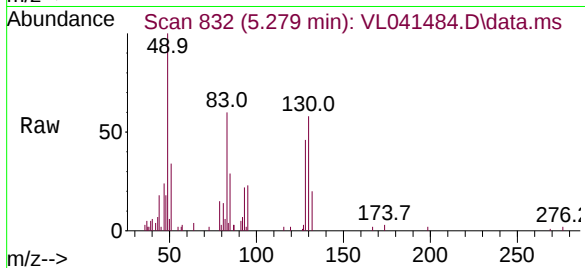
BASEMENTDL

Tgt Ion: 83 Resp: 10377

Ion Ratio Lower Upper

83 100

85 42.8 53.1 79.7#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 1260

Delta R.T. 0.000 min

Lab File: VL041484.D

Acq: 1 Aug 2024 19:09

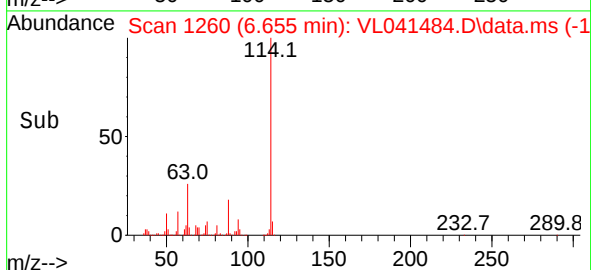
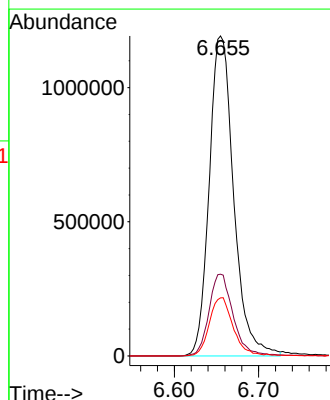
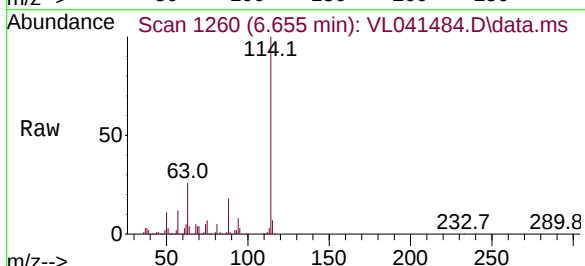
Tgt Ion:114 Resp: 2405133

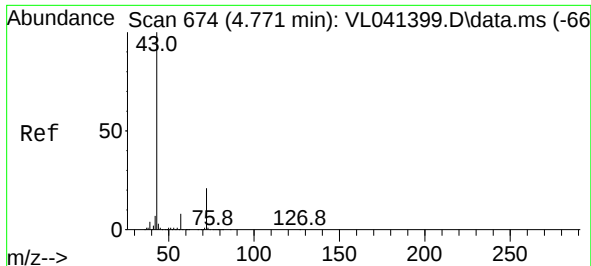
Ion Ratio Lower Upper

114 100

63 25.6 20.3 30.5

88 18.0 14.3 21.5





#34

2-Butanone

Concen: 0.093 ppbv

RT: 4.796 min Scan# 61

Delta R.T. 0.013 min

Lab File: VL041484.D

Acq: 1 Aug 2024 19:09

Instrument :

MSVOA_L

ClientSampleId :

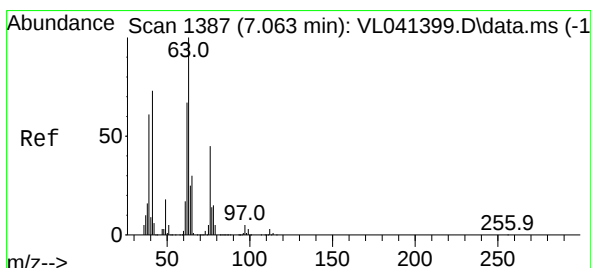
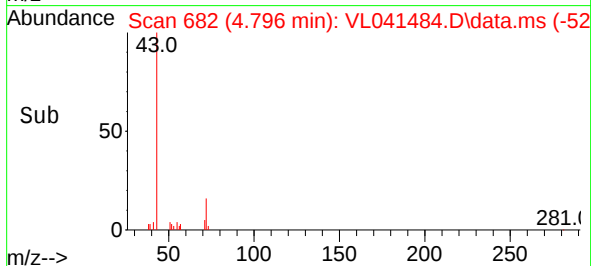
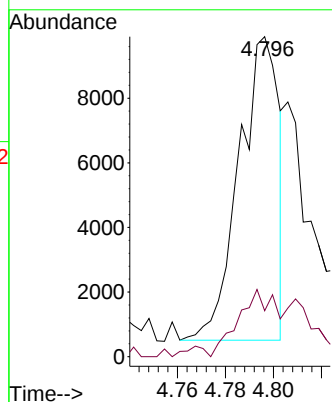
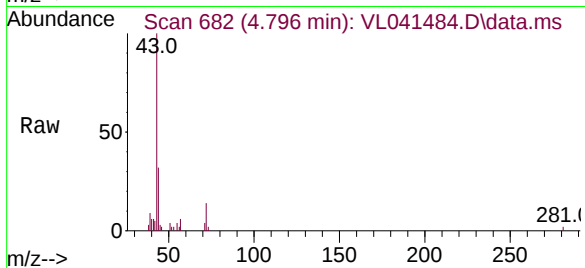
BASEMENTDL

Tgt Ion: 43 Resp: 10809

Ion Ratio Lower Upper

43 100

72 40.5 17.3 25.9#



#39

1,2-Dichloropropane

Concen: 9.023 ppbv

RT: 6.655 min Scan# 1260

Delta R.T. -0.415 min

Lab File: VL041484.D

Acq: 1 Aug 2024 19:09

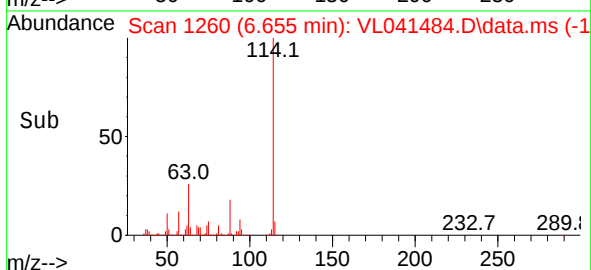
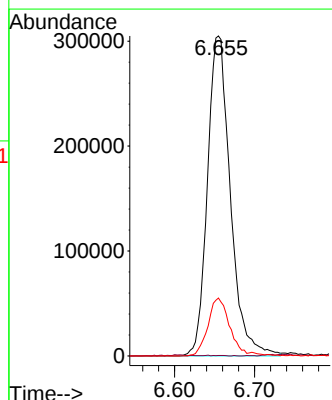
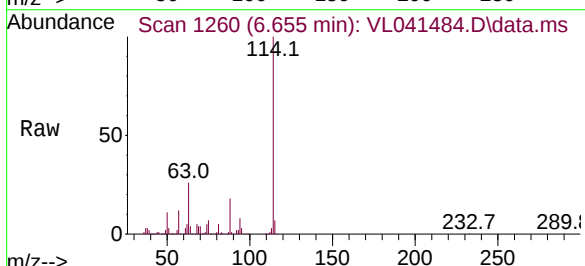
Tgt Ion: 63 Resp: 607115

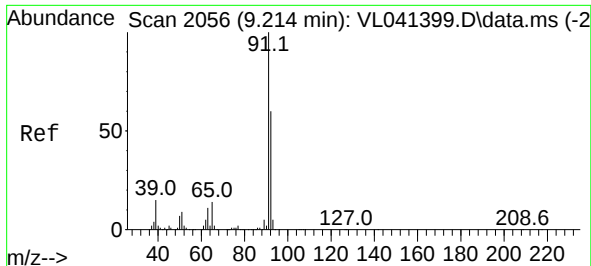
Ion Ratio Lower Upper

63 100

41 0.0 58.3 87.5#

62 18.1 53.9 80.9#





#53

Toluene

Concen: 0.256 ppbv

RT: 9.224 min Scan# 2056

Delta R.T. 0.003 min

Lab File: VL041484.D

Acq: 1 Aug 2024 19:09

Instrument :

MSVOA_L

ClientSampleId :

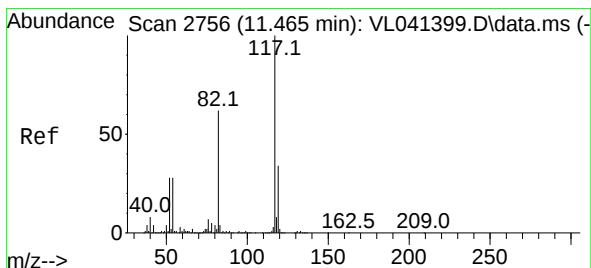
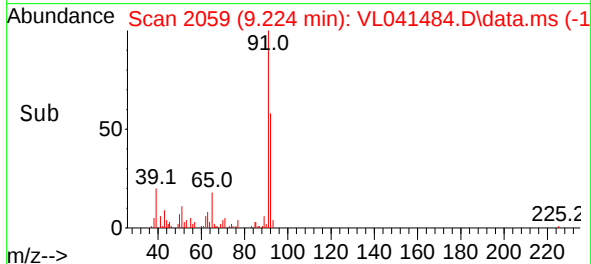
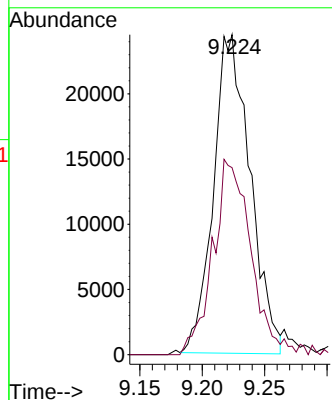
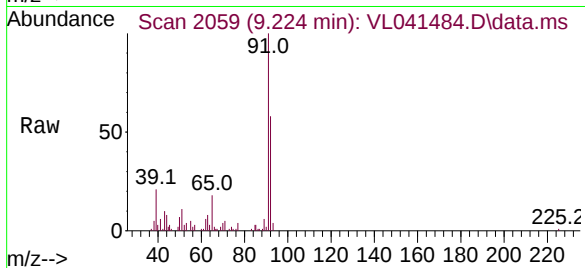
BASEMENTDL

Tgt Ion: 91 Resp: 50023

Ion Ratio Lower Upper

91 100

92 64.8 48.7 73.1



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.468 min Scan# 2757

Delta R.T. 0.003 min

Lab File: VL041484.D

Acq: 1 Aug 2024 19:09

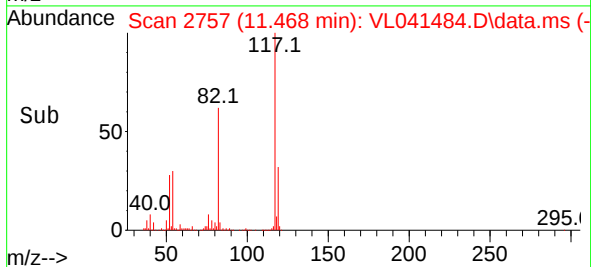
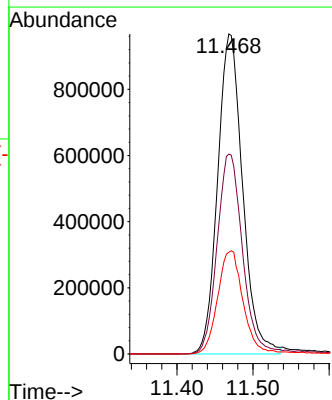
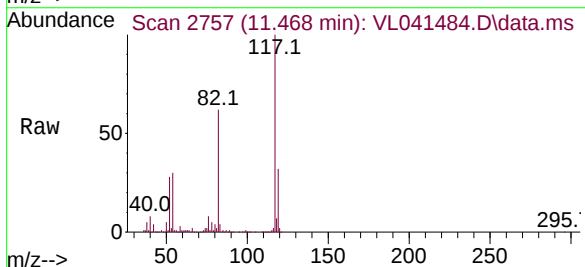
Tgt Ion: 117 Resp: 2205567

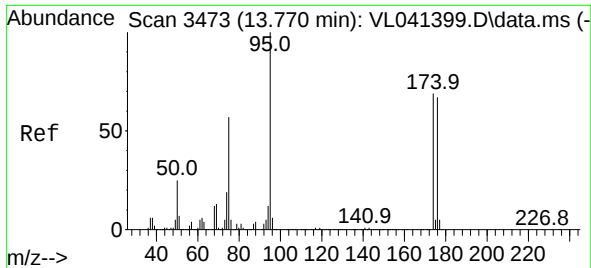
Ion Ratio Lower Upper

117 100

82 64.9 51.0 76.6

119 33.4 45.2 67.8#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.982 ppbv

RT: 13.780 min Scan# 3476

Delta R.T. 0.006 min

Lab File: VL041484.D

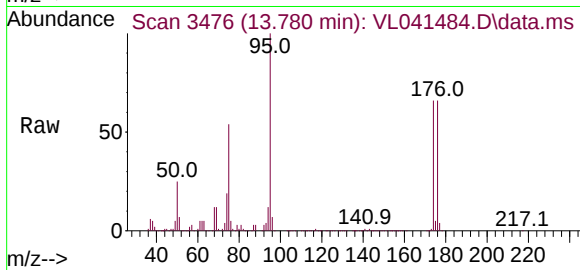
Acq: 1 Aug 2024 19:09

Instrument :

MSVOA_L

ClientSampleId :

BASEMENTDL



Tgt Ion: 95 Resp: 1694351

Ion Ratio Lower Upper

95 100

174 72.2 56.3 84.5

175 5.0 4.0 6.0

