

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080124\
 Data File : VL041487.D
 Acq On : 1 Aug 2024 21:18
 Operator : SY/MD
 Sample : P3445-04DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 2ND-FLOORDL

Quant Time: Aug 02 04:15:30 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)

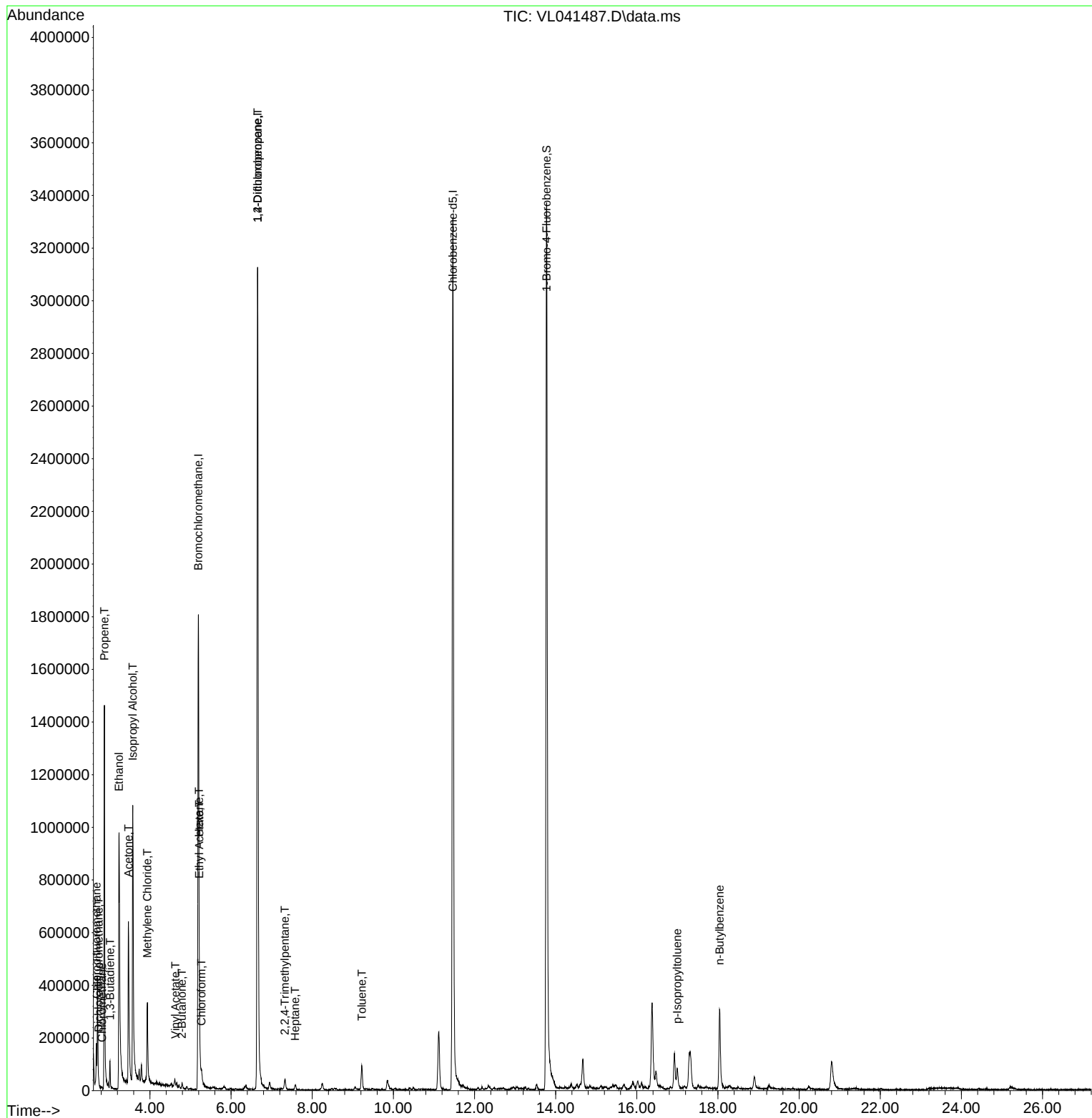
Internal Standards						
1) Bromochloromethane	5.192	49	915265	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2410457	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2205423	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1666248	9.818	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.735	85	7444	0.047	ppbv	94
3) Chlorodifluoromethane	2.681	51	169453	1.555	ppbv	96
4) Chloromethane	2.819	50	7370	0.127	ppbv	97
9) Propene	2.877	41	390982	7.811	ppbv	99
10) Heptane	7.581	43	3758	0.033	ppbv	# 20
13) Ethanol	3.237	45	1146824	256.353	ppbv	98
15) Acetone	3.472	43	626128	6.021	ppbv	99
16) 1,3-Butadiene	3.018	39	10718	0.193	ppbv	# 20
19) Isopropyl Alcohol	3.578	45	1098672	18.071	ppbv	# 98
20) Methylene Chloride	3.938	84	98424	2.538	ppbv	98
23) Vinyl Acetate	4.629	43	2847	0.036	ppbv	# 79
25) Ethyl Acetate	5.214	43	73156	0.354	ppbv	# 96
26) Hexane	5.211	57	46714	0.545	ppbv	# 70
29) Chloroform	5.272	83	17862	0.128	ppbv	# 82
34) 2-Butanone	4.790	43	22556	0.193	ppbv	94
39) 1,2-Dichloropropane	6.655	63	595391	8.830	ppbv	# 25
44) 2,2,4-Trimethylpentane	7.324	57	14773	0.050	ppbv	# 1
53) Toluene	9.221	91	61776	0.315	ppbv	98
69) p-Isopropyltoluene	16.995	119	51812	0.159	ppbv	92
70) n-Butylbenzene	18.040	91	80617	0.241	ppbv	# 84

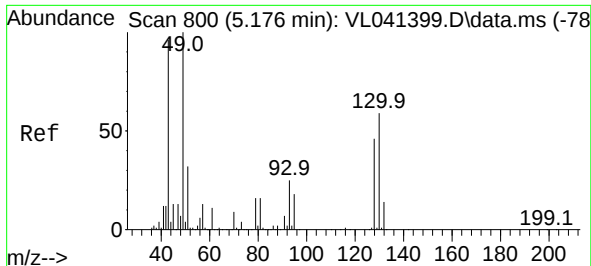
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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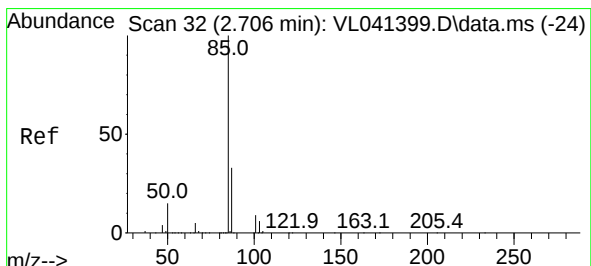
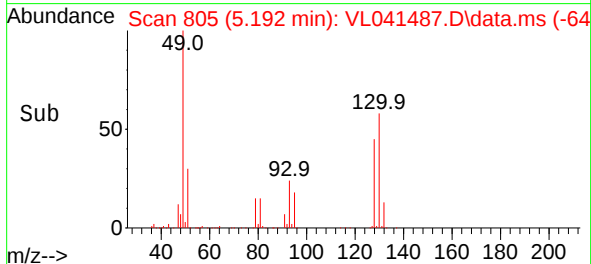
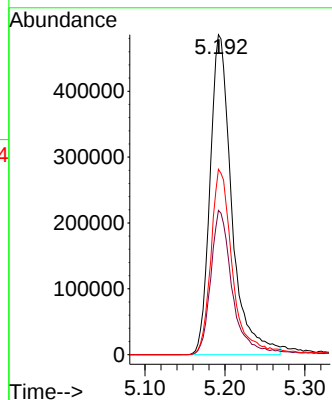
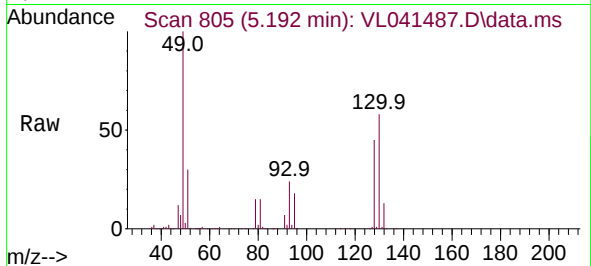




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL041487.D
Acq: 1 Aug 2024 21:18

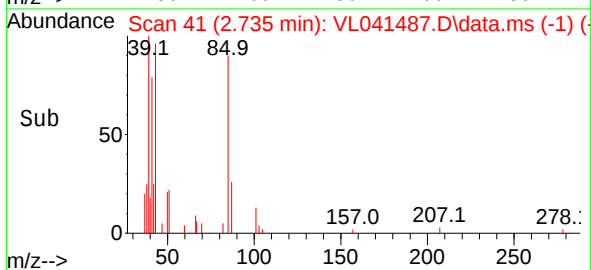
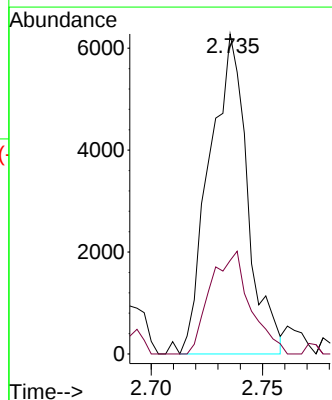
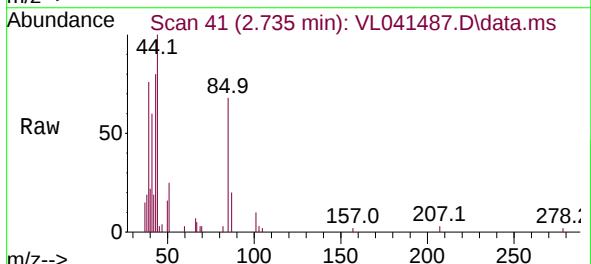
Instrument :
MSVOA_L
ClientSampleId :
2ND-FLOODL

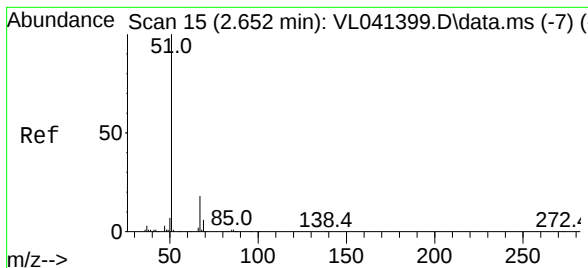
Tgt Ion: 49 Resp: 915265
Ion Ratio Lower Upper
49 100
128 45.8 23.8 71.4
130 59.2 30.8 92.4



#2
Dichlorodifluoromethane
Concen: 0.047 ppbv
RT: 2.735 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL041487.D
Acq: 1 Aug 2024 21:18

Tgt Ion: 85 Resp: 7444
Ion Ratio Lower Upper
85 100
87 29.2 26.0 39.0





#3

Chlorodifluoromethane

Concen: 1.555 ppbv

RT: 2.681 min Scan# 24

Delta R.T. 0.006 min

Lab File: VL041487.D

Acq: 1 Aug 2024 21:18

Instrument :

MSVOA_L

ClientSampleId :

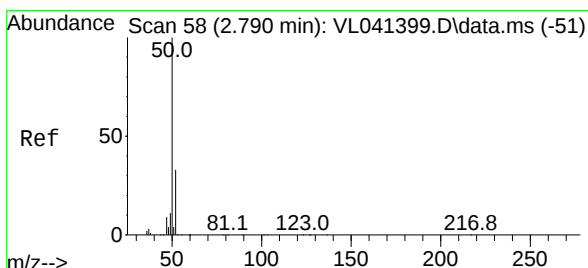
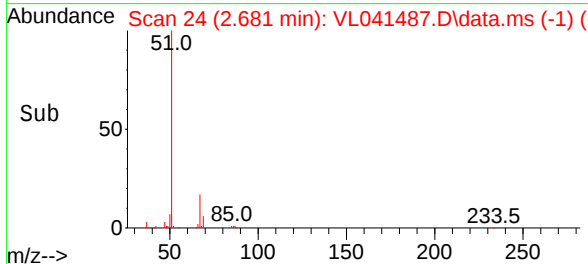
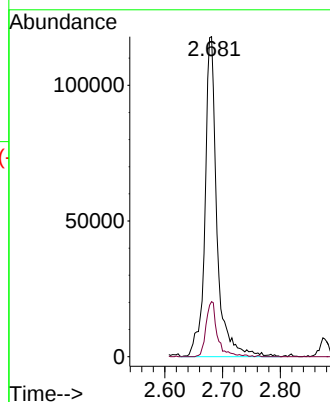
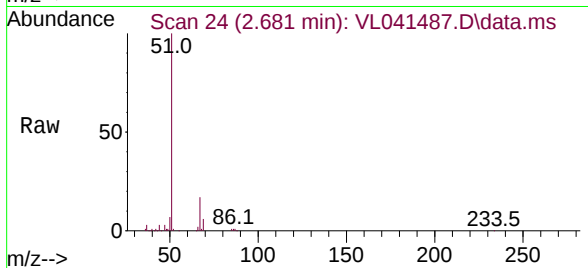
2ND-FLOORDL

Tgt Ion: 51 Resp: 169453

Ion Ratio Lower Upper

51 100

67 16.5 14.5 21.7



#4

Chloromethane

Concen: 0.127 ppbv

RT: 2.819 min Scan# 67

Delta R.T. 0.006 min

Lab File: VL041487.D

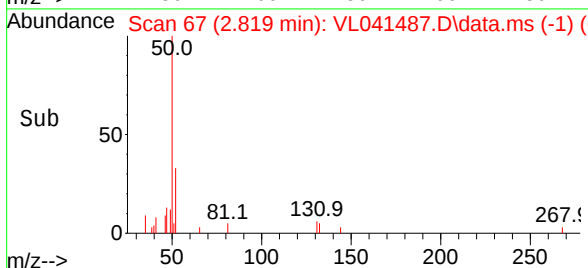
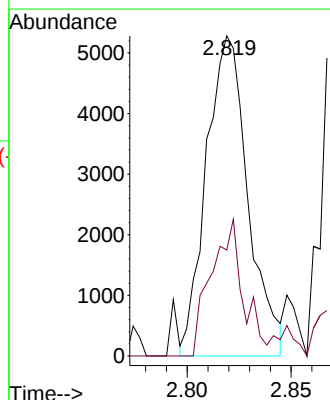
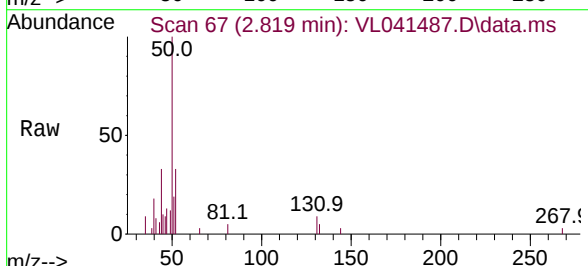
Acq: 1 Aug 2024 21:18

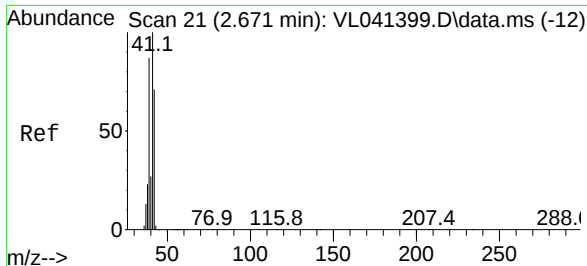
Tgt Ion: 50 Resp: 7370

Ion Ratio Lower Upper

50 100

52 34.1 26.1 39.1

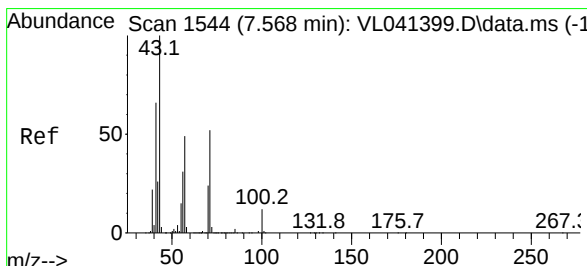
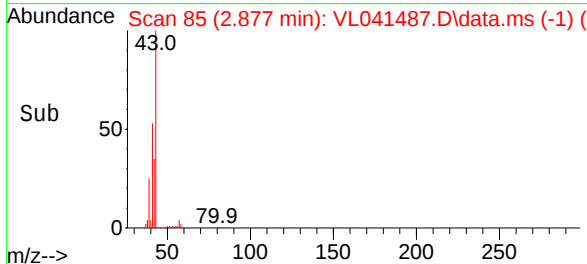
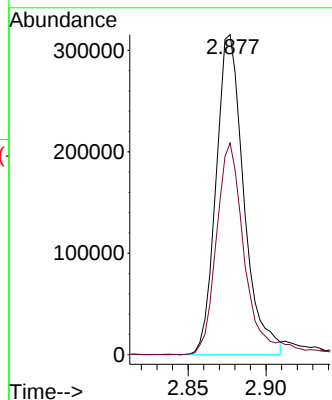
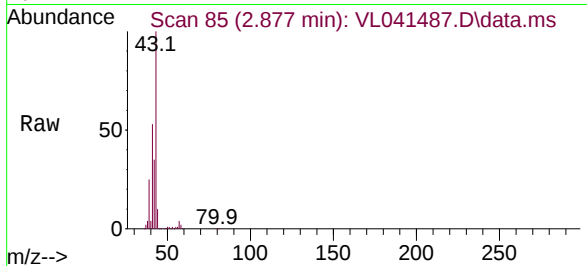




#9
Propene
Concen: 7.811 ppbv
RT: 2.877 min Scan# 81
Delta R.T. 0.183 min
Lab File: VL041487.D
Acq: 1 Aug 2024 21:18

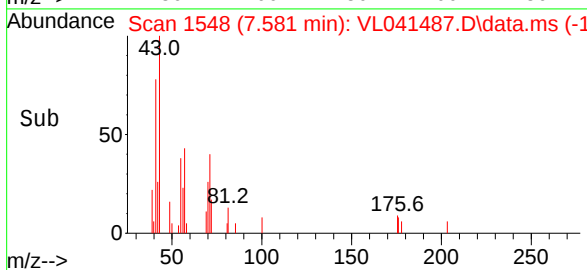
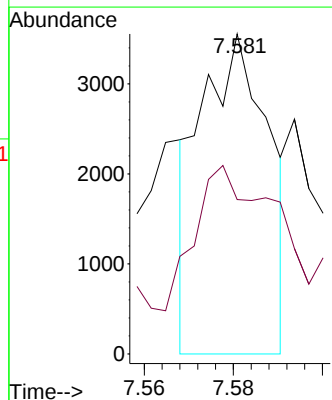
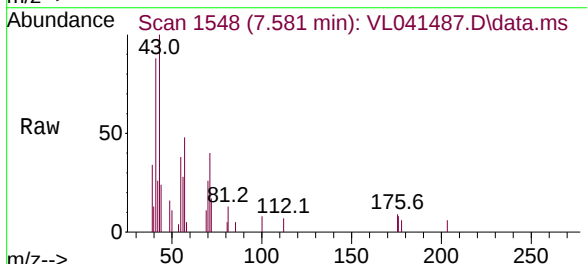
Instrument :
MSVOA_L
ClientSampleId :
2ND-FLOORDL

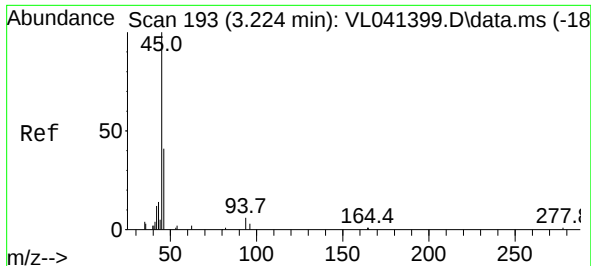
Tgt Ion: 41 Resp: 390982
Ion Ratio Lower Upper
41 100
42 69.2 55.9 83.9



#10
Heptane
Concen: 0.033 ppbv
RT: 7.581 min Scan# 1548
Delta R.T. 0.003 min
Lab File: VL041487.D
Acq: 1 Aug 2024 21:18

Tgt Ion: 43 Resp: 3758
Ion Ratio Lower Upper
43 100
57 105.9 40.5 60.7#





#13

Ethanol

Concen: 256.353 ppbv

RT: 3.237 min Scan# 1

Delta R.T. -0.010 min

Lab File: VL041487.D

Acq: 1 Aug 2024 21:18

Instrument :

MSVOA_L

ClientSampleId :

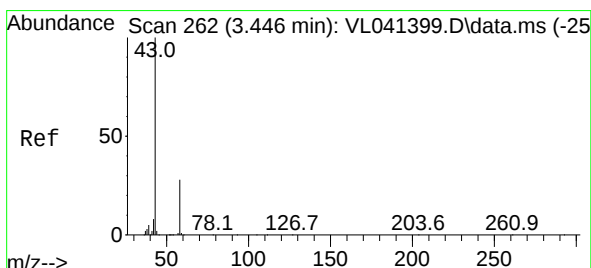
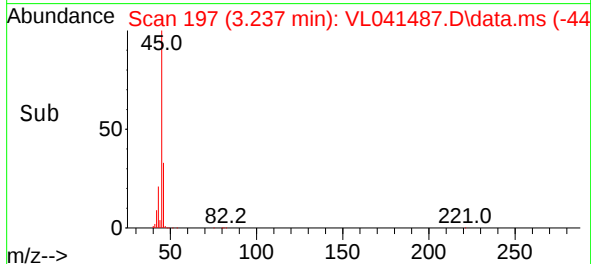
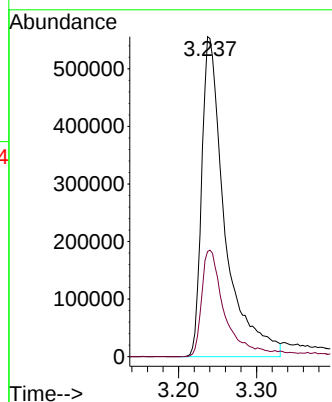
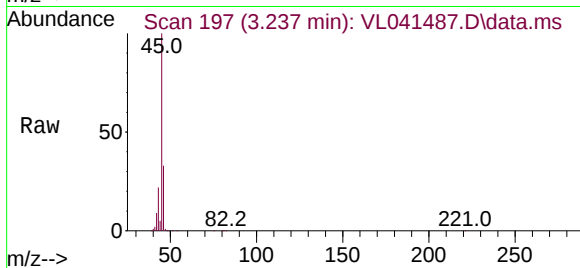
2ND-FLOORDL

Tgt Ion: 45 Resp: 1146824

Ion Ratio Lower Upper

45 100

46 34.5 13.4 53.4



#15

Acetone

Concen: 6.021 ppbv

RT: 3.472 min Scan# 270

Delta R.T. 0.006 min

Lab File: VL041487.D

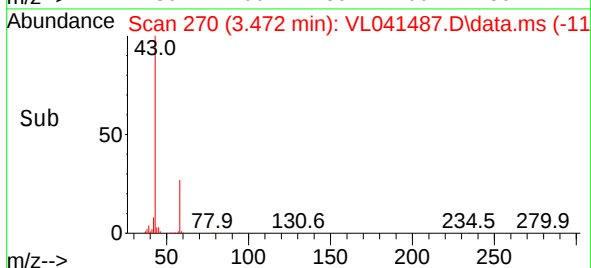
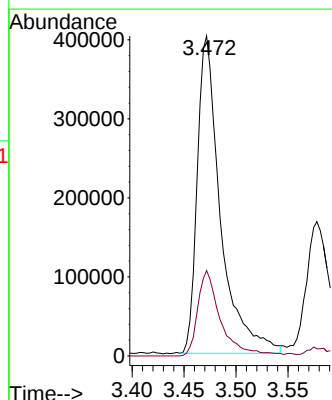
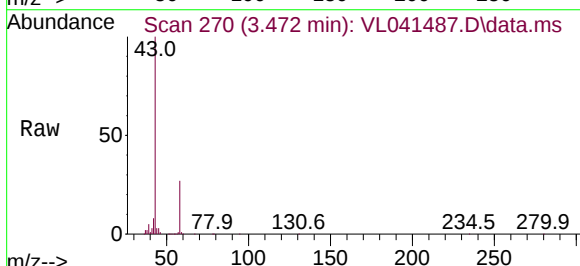
Acq: 1 Aug 2024 21:18

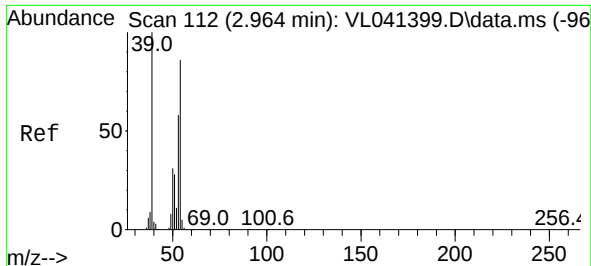
Tgt Ion: 43 Resp: 626128

Ion Ratio Lower Upper

43 100

58 26.4 21.4 32.2





#16

1,3-Butadiene

Concen: 0.193 ppbv

RT: 3.018 min Scan# 11

Delta R.T. 0.032 min

Lab File: VL041487.D

Acq: 1 Aug 2024 21:18

Instrument :

MSVOA_L

ClientSampleId :

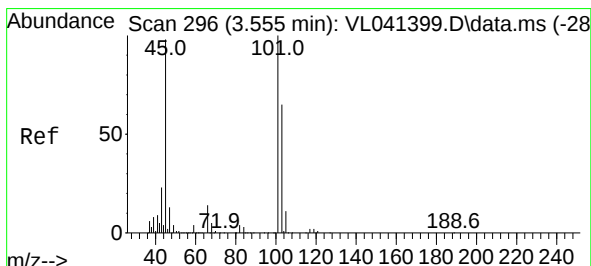
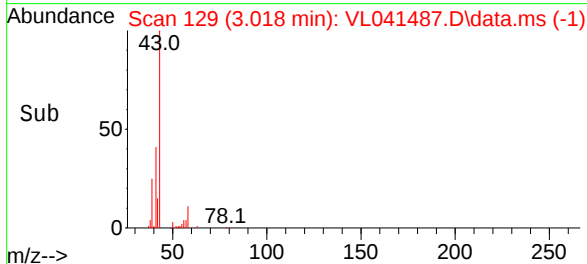
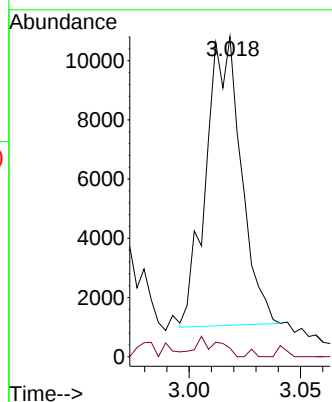
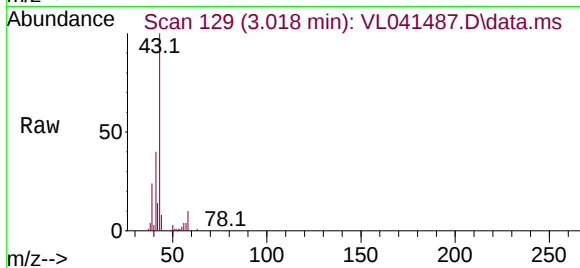
2ND-FLOORDL

Tgt Ion: 39 Resp: 10718

Ion Ratio Lower Upper

39 100

54 8.9 62.5 93.7#



#19

Isopropyl Alcohol

Concen: 18.071 ppbv

RT: 3.578 min Scan# 303

Delta R.T. 0.003 min

Lab File: VL041487.D

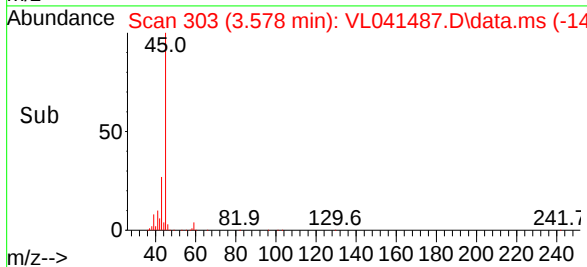
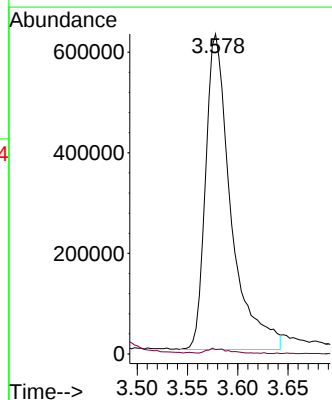
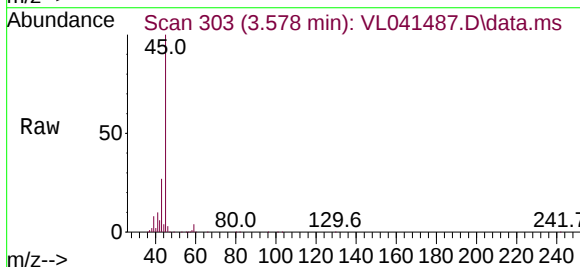
Acq: 1 Aug 2024 21:18

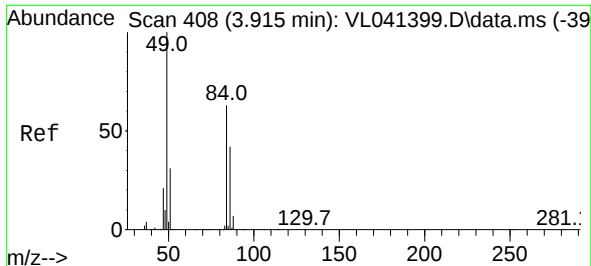
Tgt Ion: 45 Resp: 1098672

Ion Ratio Lower Upper

45 100

58 1.6 1.9 2.9#





#20

Methylene Chloride

Concen: 2.538 ppbv

RT: 3.938 min Scan# 415

Delta R.T. 0.006 min

Lab File: VL041487.D

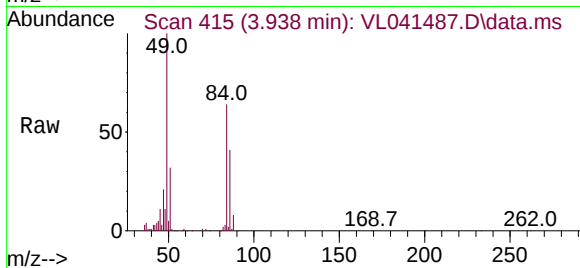
Acq: 1 Aug 2024 21:18

Instrument :

MSVOA_L

ClientSampleId :

2ND-FLOODL



Tgt Ion: 84 Resp: 98424

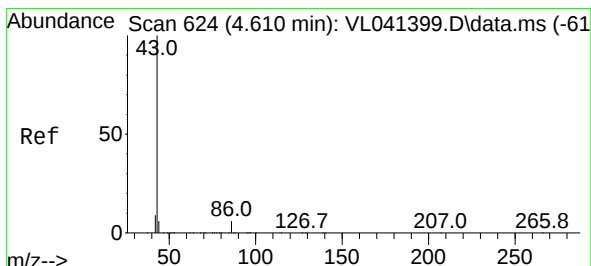
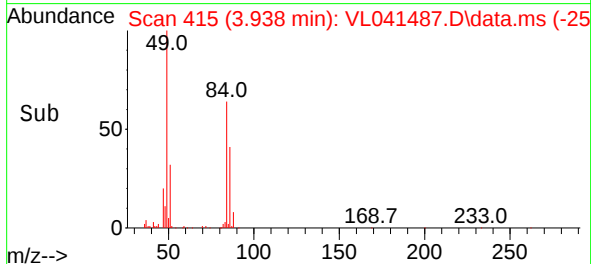
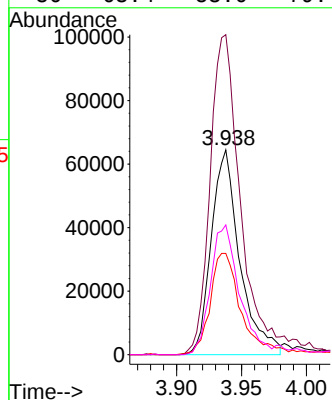
Ion Ratio Lower Upper

84 100

49 156.2 126.6 190.0

51 49.1 38.6 58.0

86 63.4 53.0 79.4



#23

Vinyl Acetate

Concen: 0.036 ppbv

RT: 4.629 min Scan# 630

Delta R.T. 0.003 min

Lab File: VL041487.D

Acq: 1 Aug 2024 21:18

Tgt Ion: 43 Resp: 2847

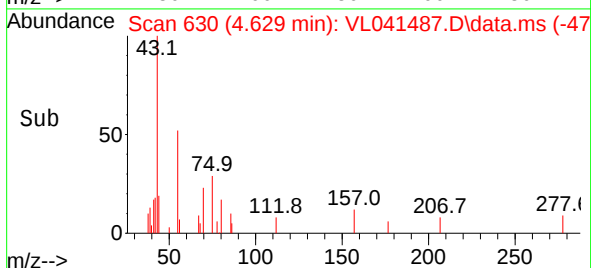
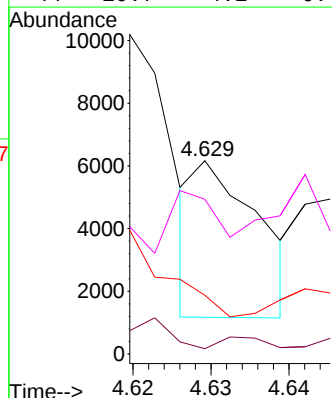
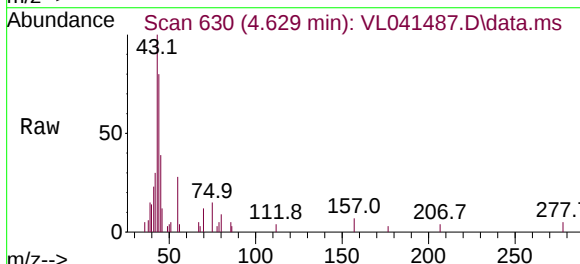
Ion Ratio Lower Upper

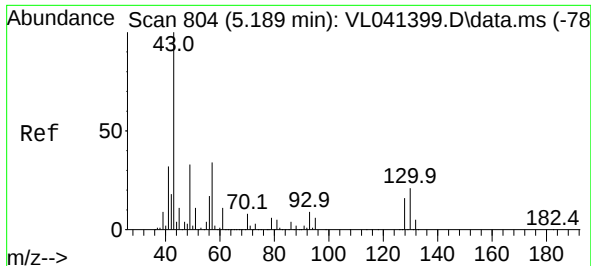
43 100

86 0.0 4.6 6.8#

42 6.0 7.9 11.9#

44 20.7 4.2 6.4#





#25

Ethyl Acetate

Concen: 0.354 ppbv

RT: 5.214 min Scan# 812

Delta R.T. 0.013 min

Lab File: VL041487.D

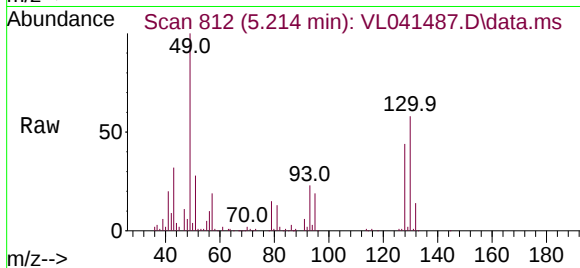
Acq: 1 Aug 2024 21:18

Instrument :

MSVOA_L

ClientSampleId :

2ND-FLOORDL



Tgt Ion: 43 Resp: 73156

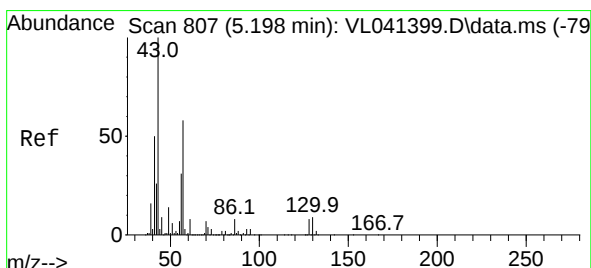
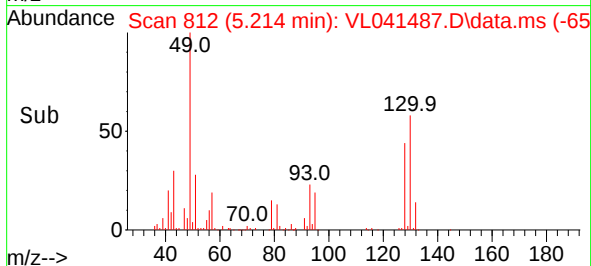
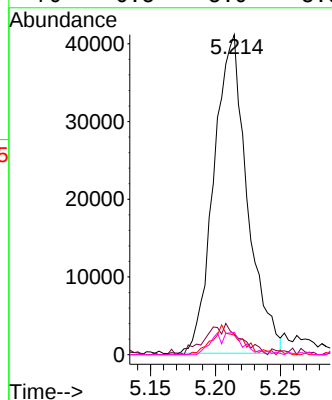
Ion Ratio Lower Upper

43 100

45 11.8 8.5 12.7

61 8.0 8.0 12.0#

70 6.5 5.9 8.9



#26

Hexane

Concen: 0.545 ppbv

RT: 5.211 min Scan# 811

Delta R.T. 0.000 min

Lab File: VL041487.D

Acq: 1 Aug 2024 21:18

Tgt Ion: 57 Resp: 46714

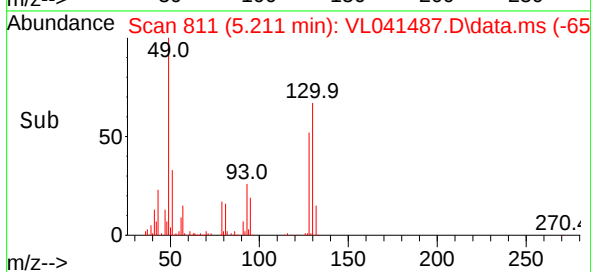
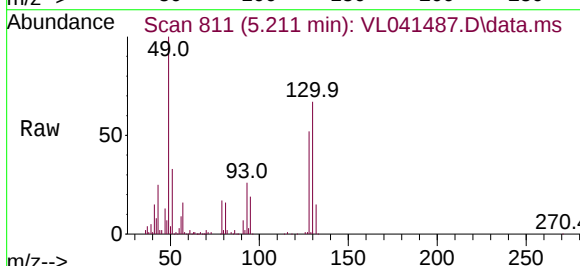
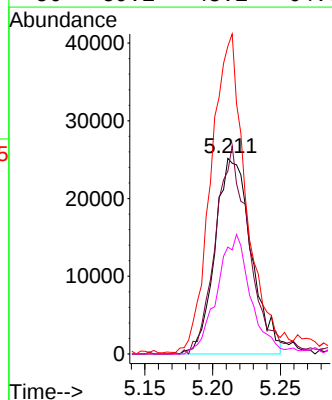
Ion Ratio Lower Upper

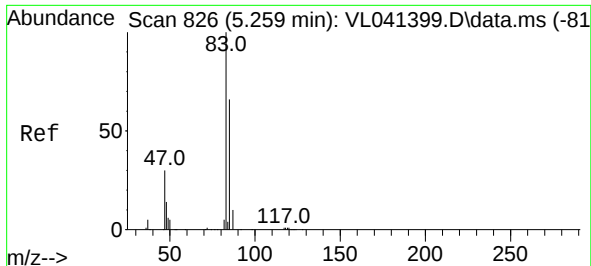
57 100

41 104.9 74.0 111.0

43 171.2 193.6 290.4#

56 59.1 43.1 64.7





#29

Chloroform

Concen: 0.128 ppbv

RT: 5.272 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL041487.D

Acq: 1 Aug 2024 21:18

Instrument :

MSVOA_L

ClientSampleId :

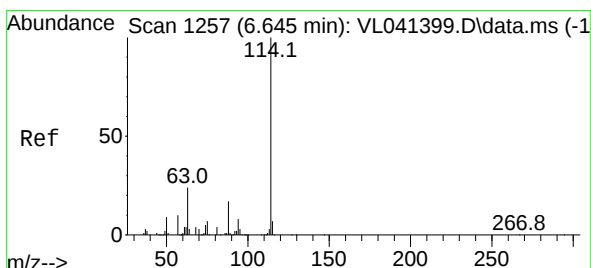
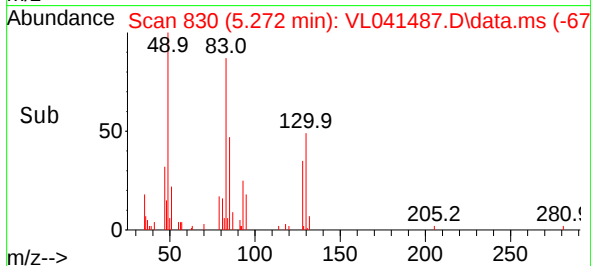
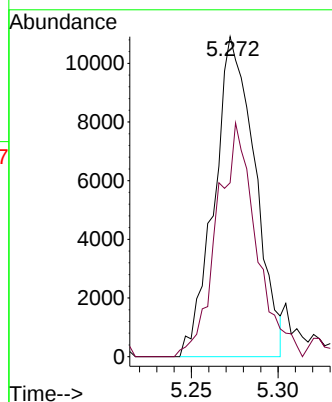
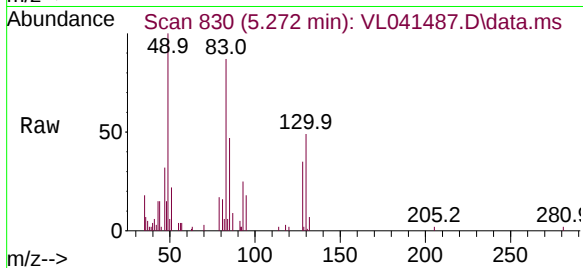
2ND-FLOORDL

Tgt Ion: 83 Resp: 17862

Ion Ratio Lower Upper

83 100

85 52.3 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: VL041487.D

Acq: 1 Aug 2024 21:18

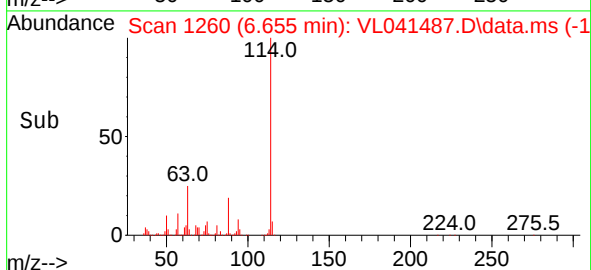
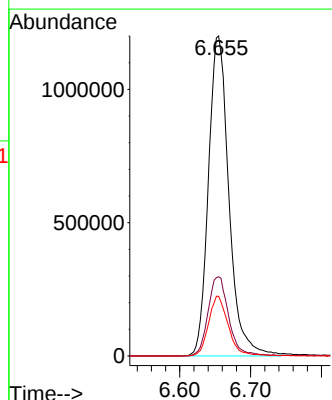
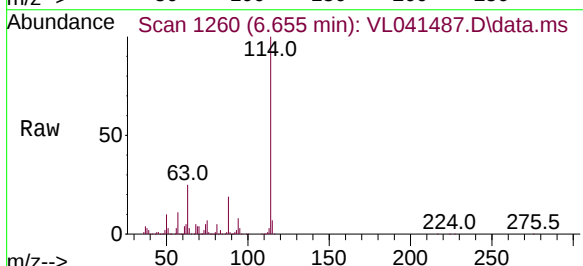
Tgt Ion:114 Resp: 2410457

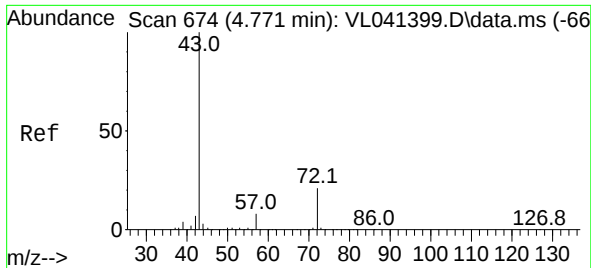
Ion Ratio Lower Upper

114 100

63 25.1 20.3 30.5

88 18.1 14.3 21.5

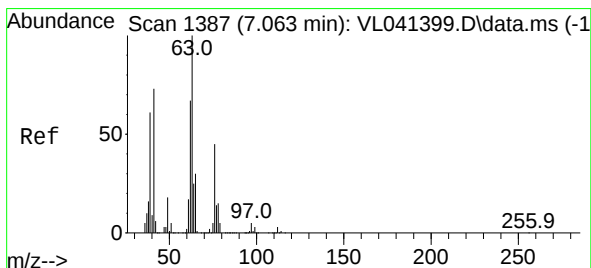
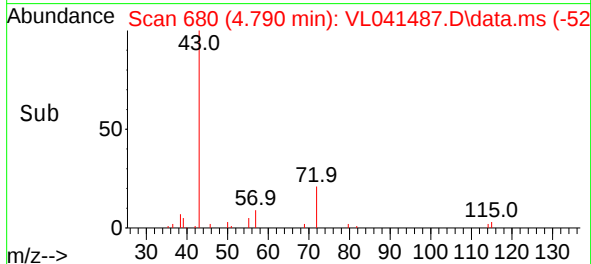
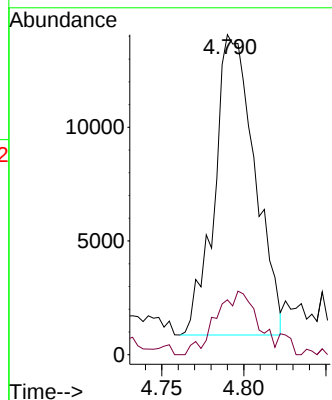
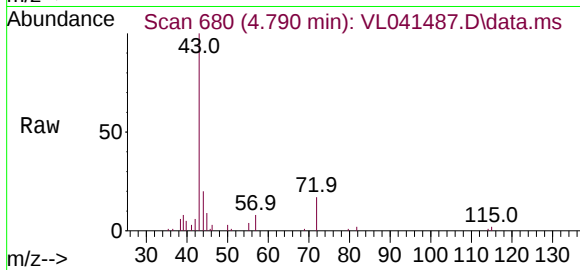




#34
2-Butanone
Concen: 0.193 ppbv
RT: 4.790 min Scan# 61
Delta R.T. 0.006 min
Lab File: VL041487.D
Acq: 1 Aug 2024 21:18

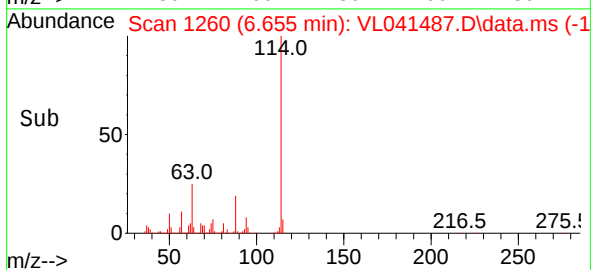
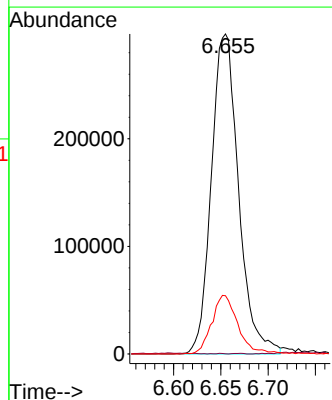
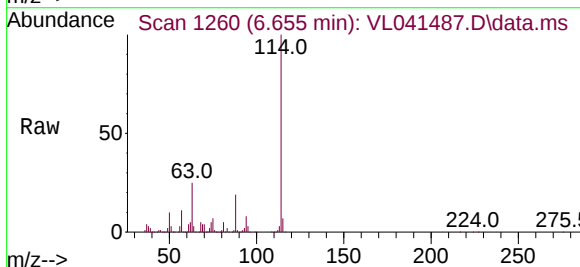
Instrument :
MSVOA_L
ClientSampleId :
2ND-FLOORDL

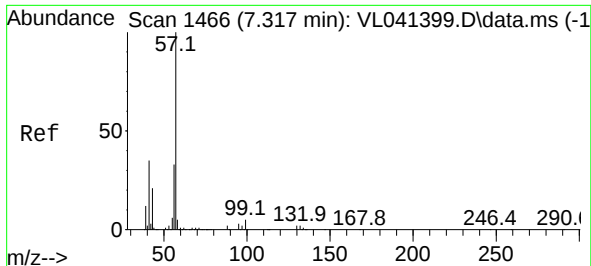
Tgt Ion: 43 Resp: 22556
Ion Ratio Lower Upper
43 100
72 24.3 17.3 25.9



#39
1,2-Dichloropropane
Concen: 8.830 ppbv
RT: 6.655 min Scan# 1260
Delta R.T. -0.415 min
Lab File: VL041487.D
Acq: 1 Aug 2024 21:18

Tgt Ion: 63 Resp: 595391
Ion Ratio Lower Upper
63 100
41 0.0 58.3 87.5#
62 18.2 53.9 80.9#





#44

2,2,4-Trimethylpentane

Concen: 0.050 ppbv

RT: 7.324 min Scan# 1466

Delta R.T. 0.000 min

Lab File: VL041487.D

Acq: 1 Aug 2024 21:18

Instrument :

MSVOA_1

ClientSampleId :

2ND-FLOORDL

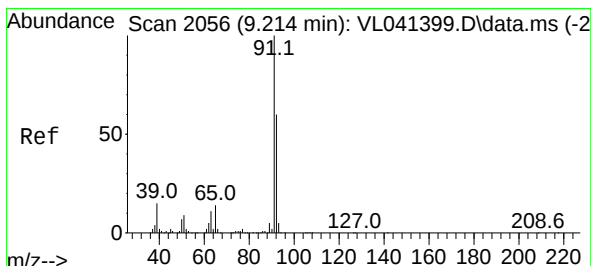
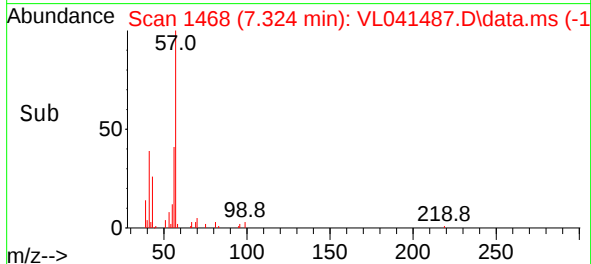
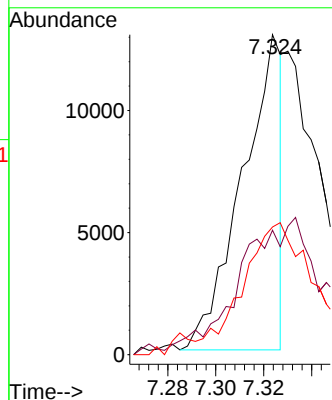
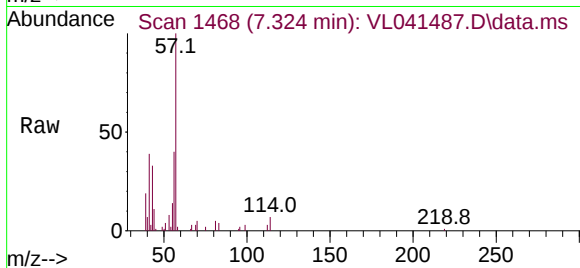
Tgt Ion: 57 Resp: 14773

Ion Ratio Lower Upper

57 100

41 101.0 27.0 40.6#

56 86.4 25.2 37.8#



#53

Toluene

Concen: 0.315 ppbv

RT: 9.221 min Scan# 2058

Delta R.T. 0.000 min

Lab File: VL041487.D

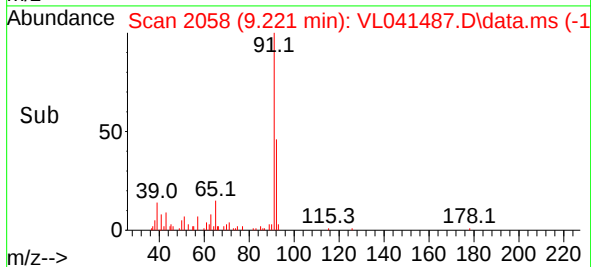
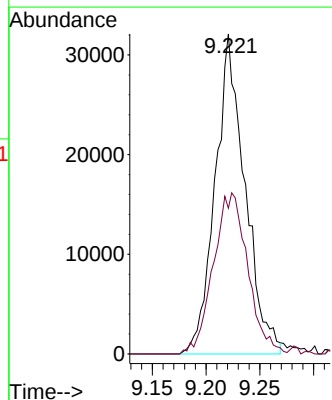
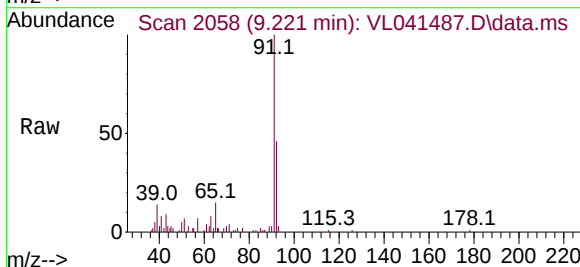
Acq: 1 Aug 2024 21:18

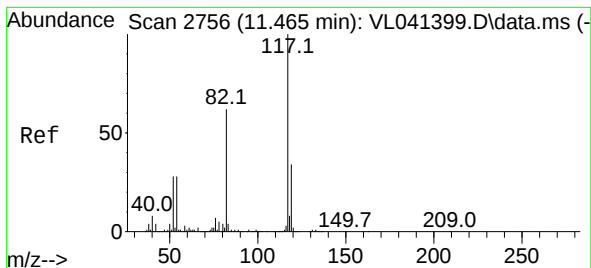
Tgt Ion: 91 Resp: 61776

Ion Ratio Lower Upper

91 100

92 59.4 48.7 73.1





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.468 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL041487.D

Acq: 1 Aug 2024 21:18

Instrument :

MSVOA_1

ClientSampleId :

2ND-FLOORDL

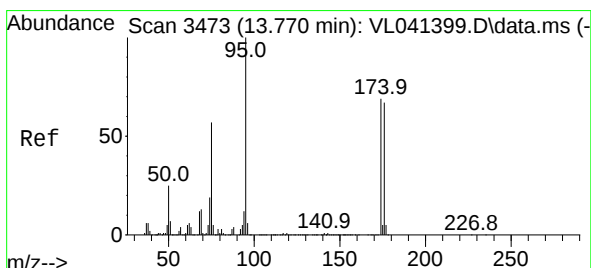
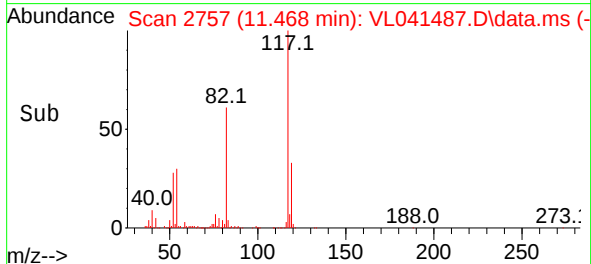
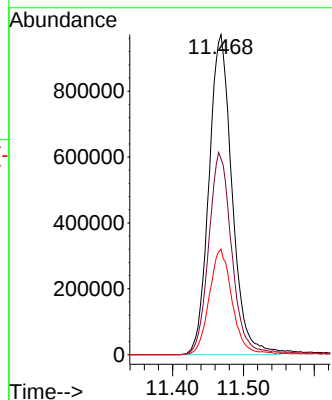
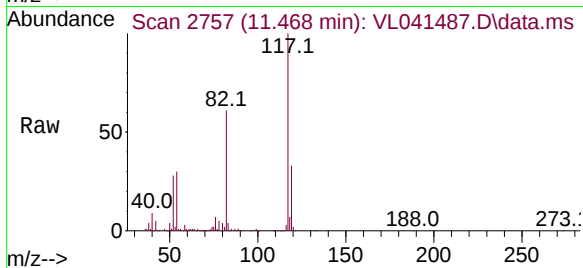
Tgt Ion:117 Resp: 2205423

Ion Ratio Lower Upper

117 100

82 64.4 51.0 76.6

119 33.1 45.2 67.8#



#68

1-Bromo-4-Fluorobenzene

Concen: 9.818 ppbv

RT: 13.777 min Scan# 3475

Delta R.T. 0.003 min

Lab File: VL041487.D

Acq: 1 Aug 2024 21:18

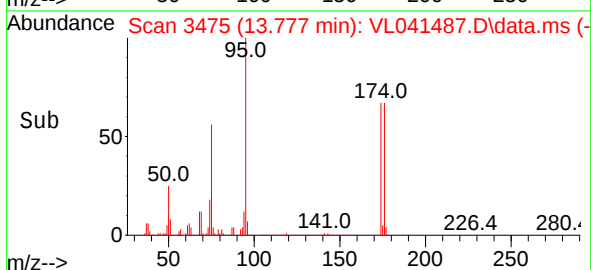
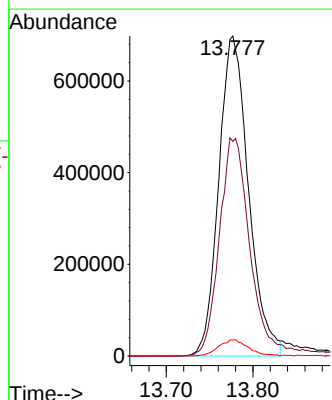
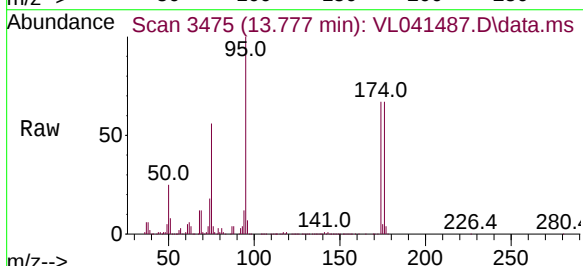
Tgt Ion: 95 Resp: 1666248

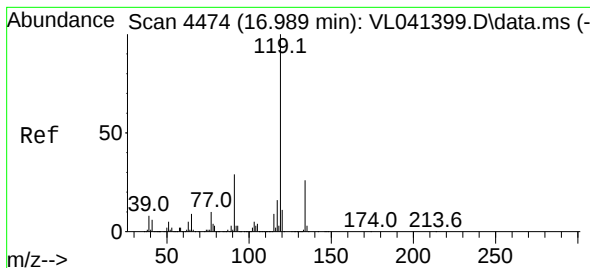
Ion Ratio Lower Upper

95 100

174 73.1 56.3 84.5

175 5.1 4.0 6.0





#69

p-Isopropyltoluene

Concen: 0.159 ppbv

RT: 16.995 min Scan# 4474

Delta R.T. 0.003 min

Lab File: VL041487.D

Acq: 1 Aug 2024 21:18

Instrument :

MSVOA_1

ClientSampleId :

2ND-FLOORDL

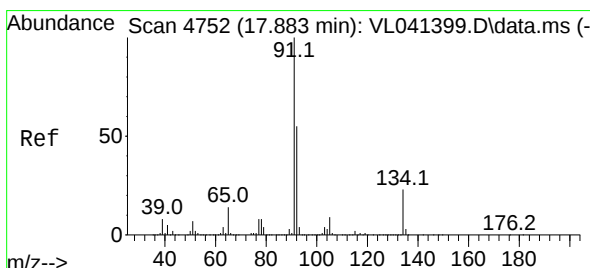
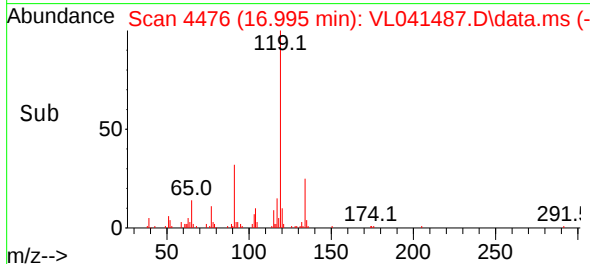
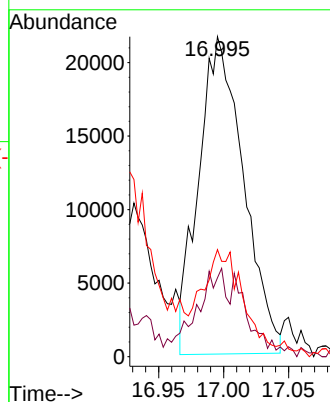
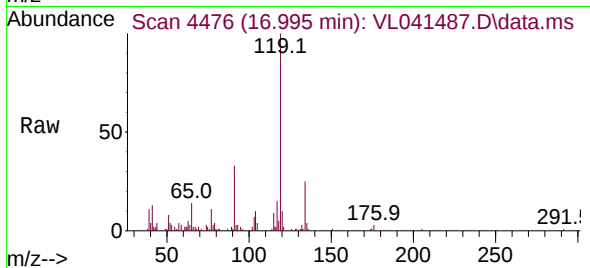
Tgt Ion:119 Resp: 51812

Ion Ratio Lower Upper

119 100

134 29.8 20.5 30.7

91 33.6 23.2 34.8



#70

n-Butylbenzene

Concen: 0.241 ppbv

RT: 18.040 min Scan# 4801

Delta R.T. 0.158 min

Lab File: VL041487.D

Acq: 1 Aug 2024 21:18

Tgt Ion: 91 Resp: 80617

Ion Ratio Lower Upper

91 100

92 38.9 43.2 64.8#

134 20.5 18.5 27.7

