

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080124\
 Data File : VL041489.D
 Acq On : 1 Aug 2024 22:44
 Operator : SY/MD
 Sample : P3445-05DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 3RD-FLOORDL

Quant Time: Aug 02 04:16:31 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)

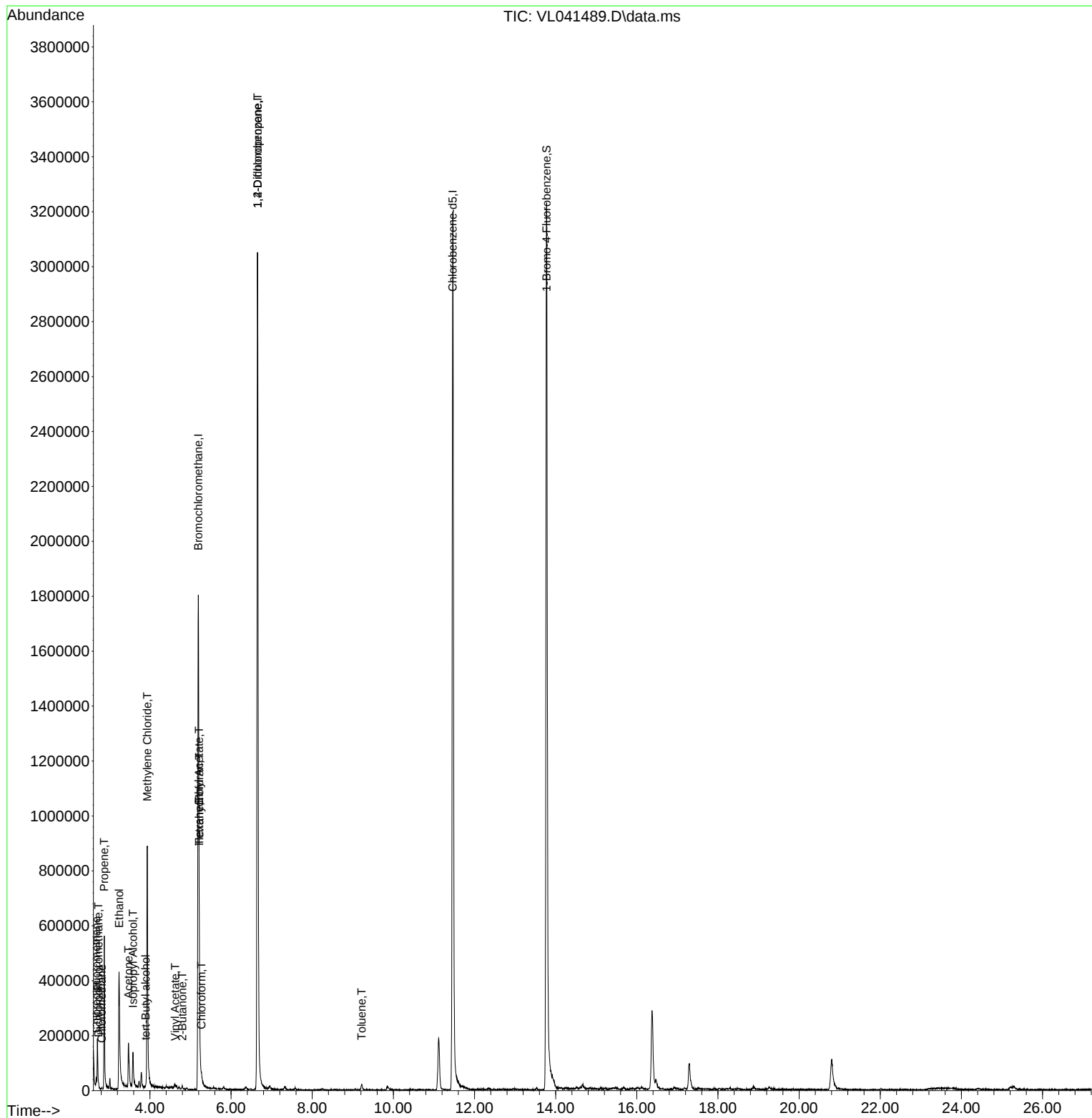
Internal Standards						
1) Bromochloromethane	5.192	49	879843	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	2347984	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2127556	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1630917	9.961	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.732	85	8012	0.053	ppbv	99
3) Chlorodifluoromethane	2.678	51	41638	0.398	ppbv	95
4) Chloromethane	2.816	50	4335	0.078	ppbv	# 84
9) Propene	2.874	41	141878	2.949	ppbv	100
13) Ethanol	3.240	45	498684	115.960	ppbv	95
15) Acetone	3.472	43	167826	1.679	ppbv	100
17) tert-Butyl alcohol	3.896	59	3475	0.038	ppbv	# 88
19) Isopropyl Alcohol	3.581	45	127376	2.179	ppbv	# 92
20) Methylene Chloride	3.935	84	296084	7.942	ppbv	95
23) Vinyl Acetate	4.623	43	4157	0.054	ppbv	# 59
25) Ethyl Acetate	5.211	43	107987	0.544	ppbv	# 83
26) Hexane	5.214	57	124021	1.505	ppbv	# 43
29) Chloroform	5.272	83	6333	0.047	ppbv	94
34) 2-Butanone	4.796	43	8031	0.071	ppbv	# 50
39) 1,2-Dichloropropane	6.652	63	570946	8.692	ppbv	# 25
41) Tetrahydrofuran	5.214	42	55761	0.858	ppbv	# 48
53) Toluene	9.217	91	7487	0.039	ppbv	# 20

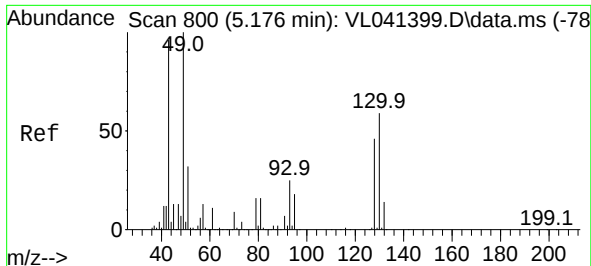
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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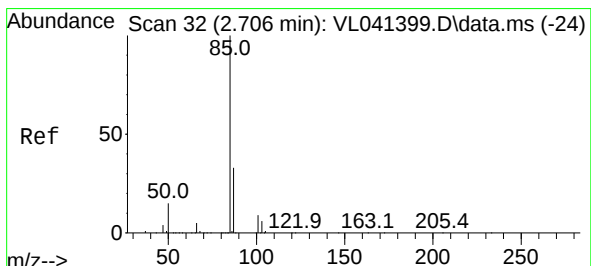
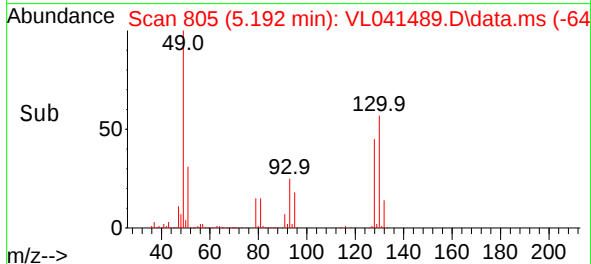
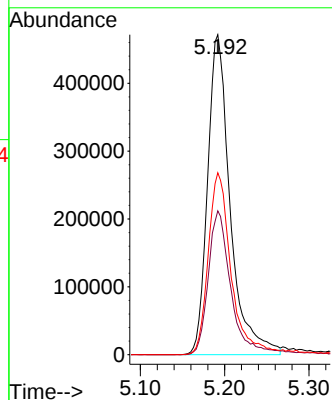
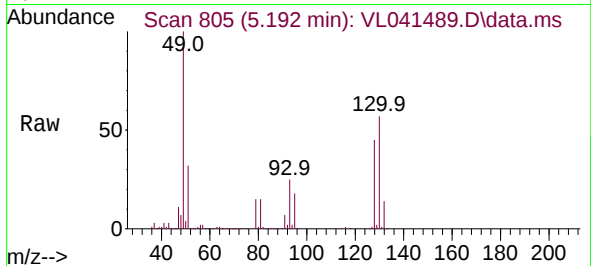




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL041489.D
Acq: 1 Aug 2024 22:44

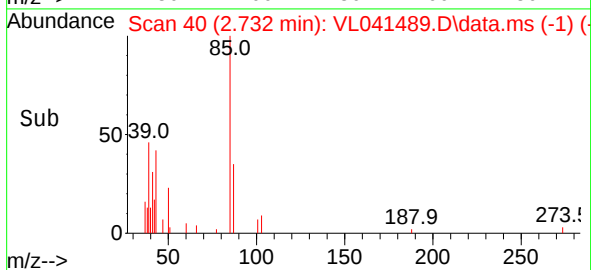
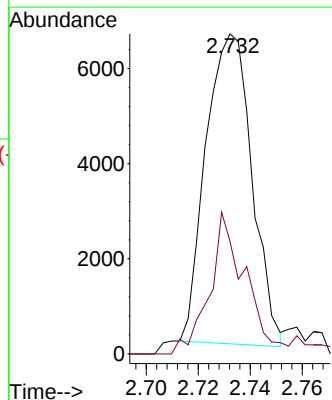
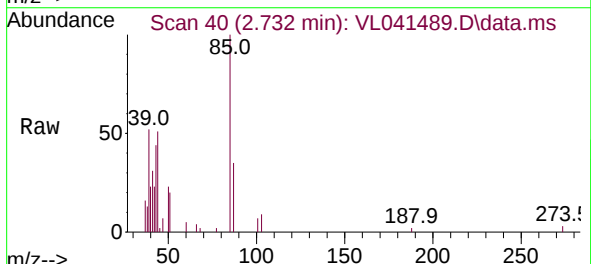
Instrument :
MSVOA_L
ClientSampleId :
3RD-FLOODL

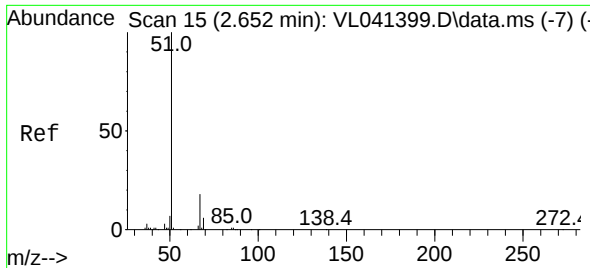
Tgt Ion: 49 Resp: 879843
Ion Ratio Lower Upper
49 100
128 45.8 23.8 71.4
130 58.9 30.8 92.4



#2
Dichlorodifluoromethane
Concen: 0.053 ppbv
RT: 2.732 min Scan# 40
Delta R.T. 0.003 min
Lab File: VL041489.D
Acq: 1 Aug 2024 22:44

Tgt Ion: 85 Resp: 8012
Ion Ratio Lower Upper
85 100
87 33.1 26.0 39.0

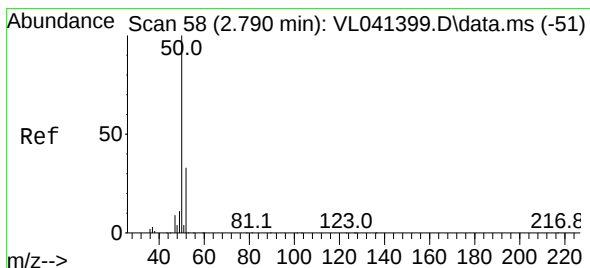
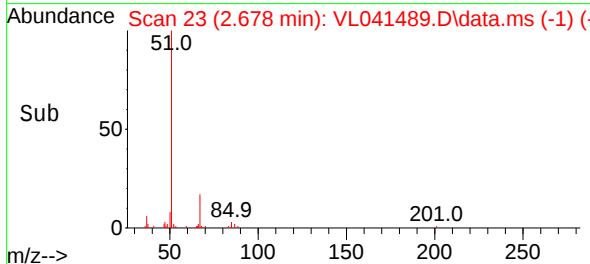
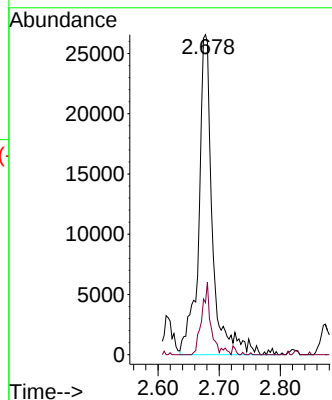
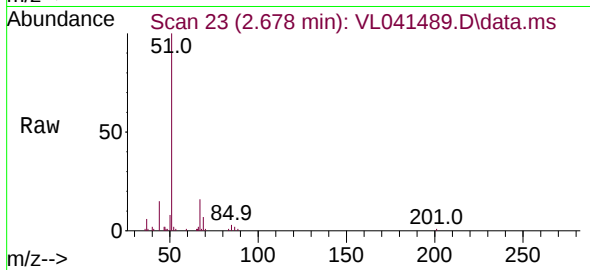




#3
Chlorodifluoromethane
Concen: 0.398 ppbv
RT: 2.678 min Scan# 24
Delta R.T. 0.003 min
Lab File: VL041489.D
Acq: 1 Aug 2024 22:44

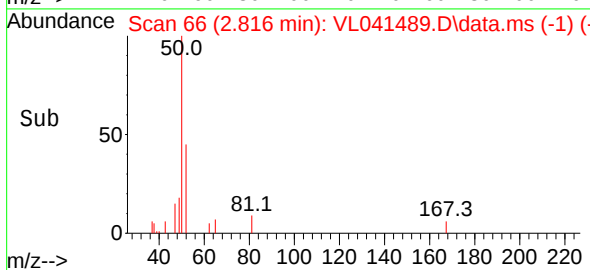
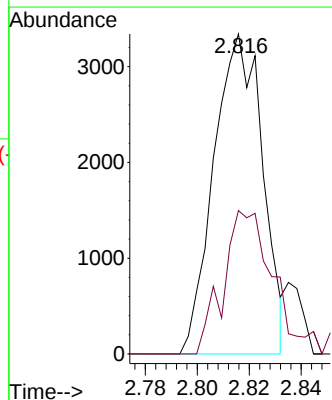
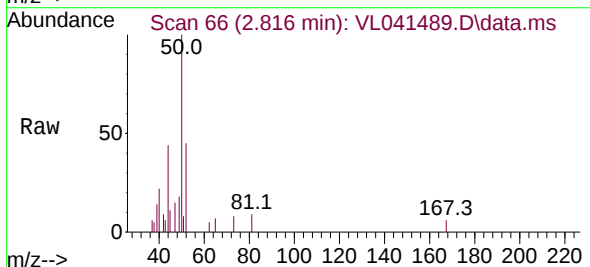
Instrument :
MSVOA_L
ClientSampleId :
3RD-FLOODL

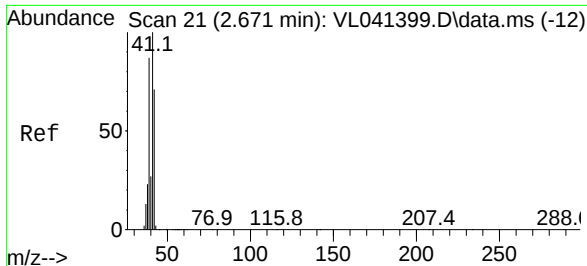
Tgt Ion: 51 Resp: 41638
Ion Ratio Lower Upper
51 100
67 15.8 14.5 21.7



#4
Chloromethane
Concen: 0.078 ppbv
RT: 2.816 min Scan# 66
Delta R.T. 0.003 min
Lab File: VL041489.D
Acq: 1 Aug 2024 22:44

Tgt Ion: 50 Resp: 4335
Ion Ratio Lower Upper
50 100
52 41.6 26.1 39.1#

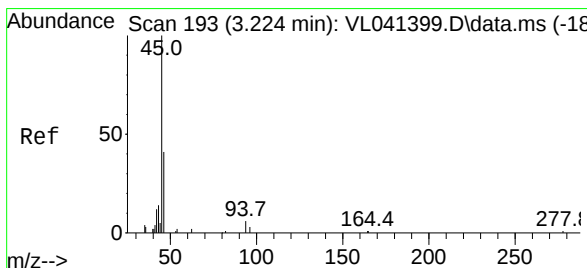
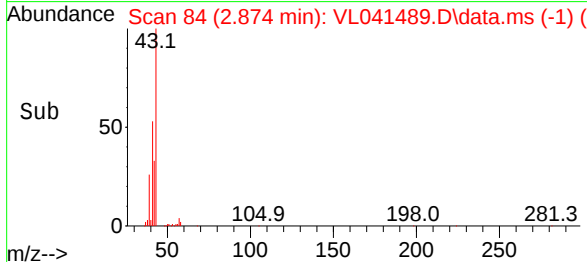
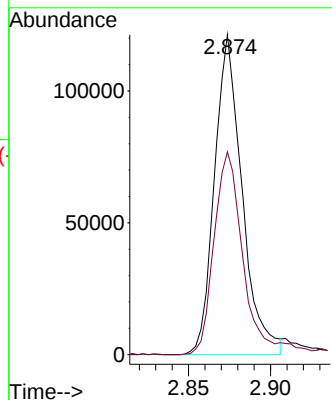
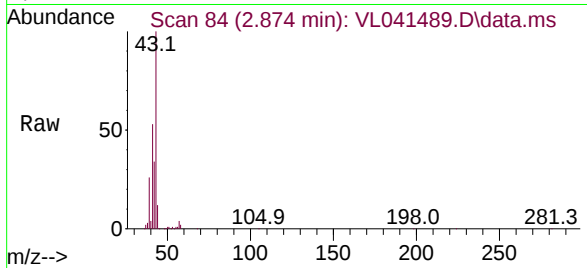




#9
Propene
Concen: 2.949 ppbv
RT: 2.874 min Scan# 84
Delta R.T. 0.180 min
Lab File: VL041489.D
Acq: 1 Aug 2024 22:44

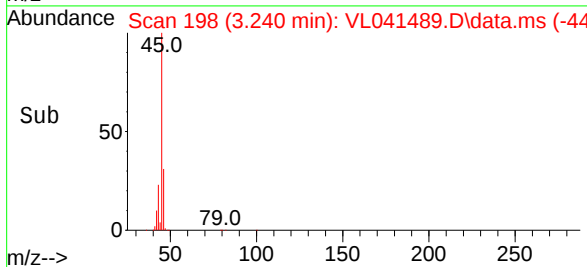
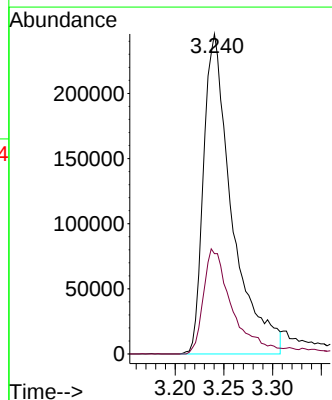
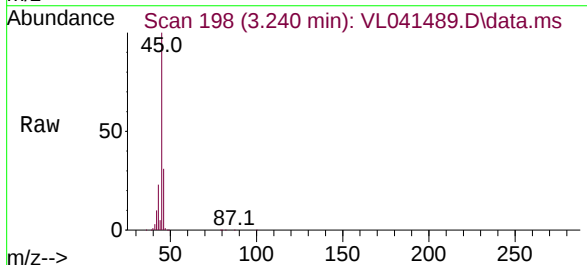
Instrument :
MSVOA_L
ClientSampleId :
3RD-FLOODL

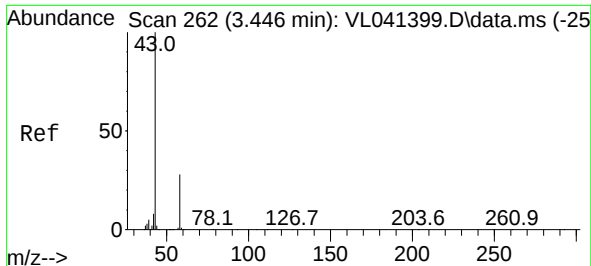
Tgt Ion: 41 Resp: 141878
Ion Ratio Lower Upper
41 100
42 69.7 55.9 83.9



#13
Ethanol
Concen: 115.960 ppbv
RT: 3.240 min Scan# 198
Delta R.T. -0.006 min
Lab File: VL041489.D
Acq: 1 Aug 2024 22:44

Tgt Ion: 45 Resp: 498684
Ion Ratio Lower Upper
45 100
46 36.0 13.4 53.4

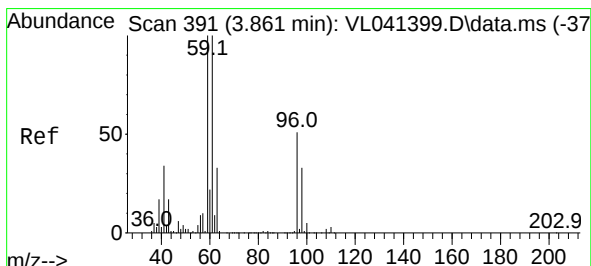
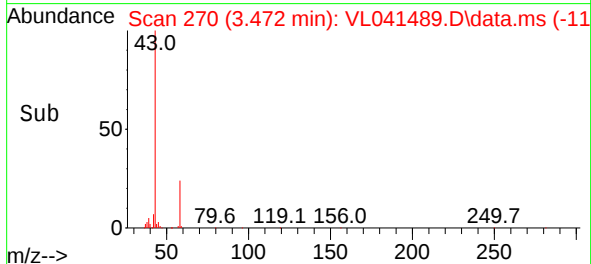
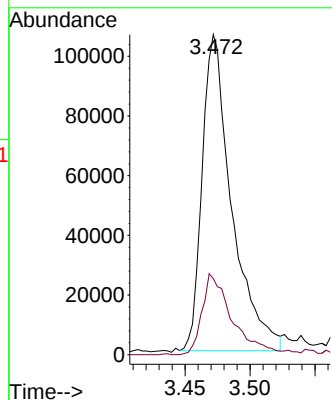
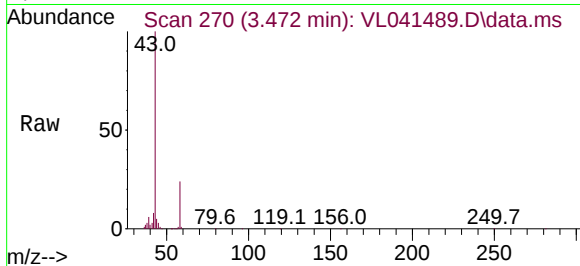




#15
Acetone
Concen: 1.679 ppbv
RT: 3.472 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL041489.D
Acq: 1 Aug 2024 22:44

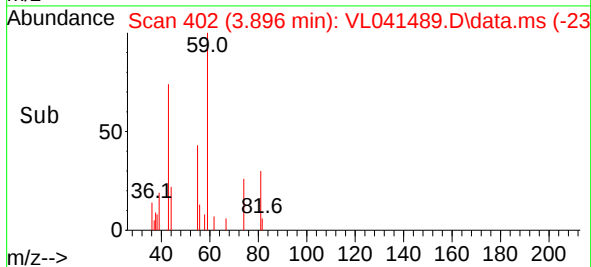
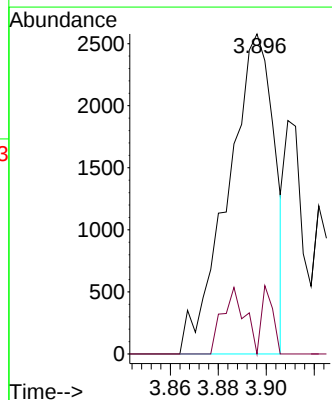
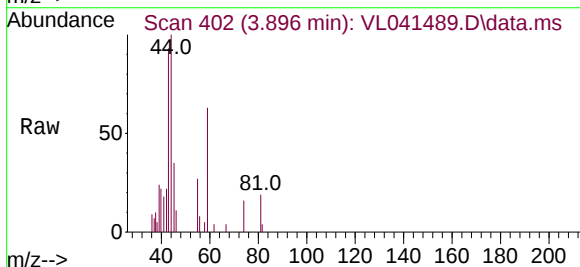
Instrument :
MSVOA_L
ClientSampleId :
3RD-FLOODL

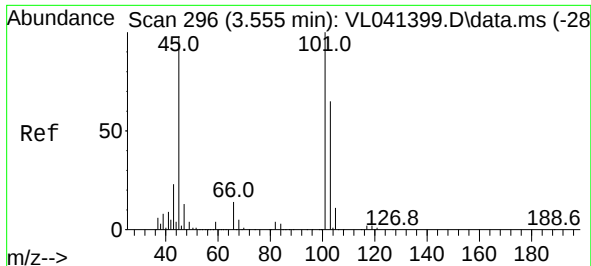
Tgt Ion: 43 Resp: 167826
Ion Ratio Lower Upper
43 100
58 27.0 21.4 32.2



#17
tert-Butyl alcohol
Concen: 0.038 ppbv
RT: 3.896 min Scan# 402
Delta R.T. 0.023 min
Lab File: VL041489.D
Acq: 1 Aug 2024 22:44

Tgt Ion: 59 Resp: 3475
Ion Ratio Lower Upper
59 100
57 15.1 8.6 12.8#





#19

Isopropyl Alcohol

Concen: 2.179 ppbv

RT: 3.581 min Scan# 304

Delta R.T. 0.006 min

Lab File: VL041489.D

Acq: 1 Aug 2024 22:44

Instrument :

MSVOA_L

ClientSampleId :

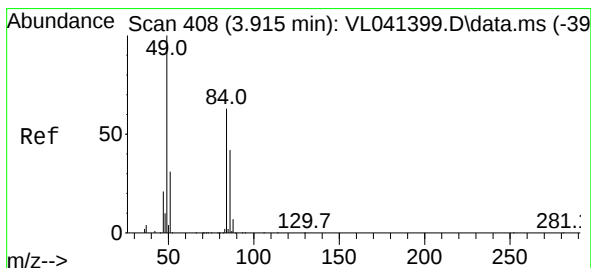
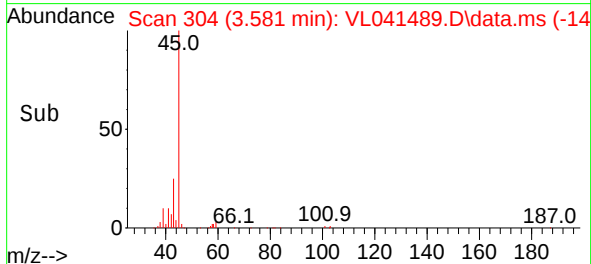
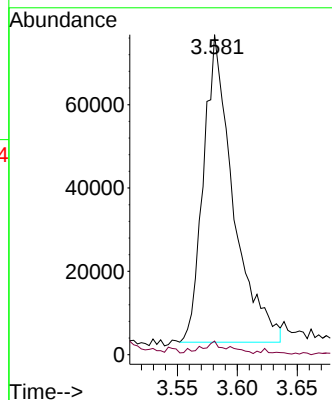
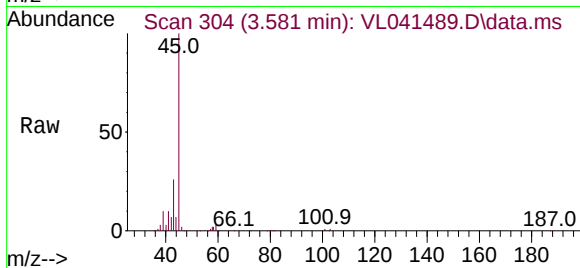
3RD-FLOORDL

Tgt Ion: 45 Resp: 127376

Ion Ratio Lower Upper

45 100

58 5.2 1.9 2.9#



#20

Methylene Chloride

Concen: 7.942 ppbv

RT: 3.935 min Scan# 414

Delta R.T. 0.003 min

Lab File: VL041489.D

Acq: 1 Aug 2024 22:44

Tgt Ion: 84 Resp: 296084

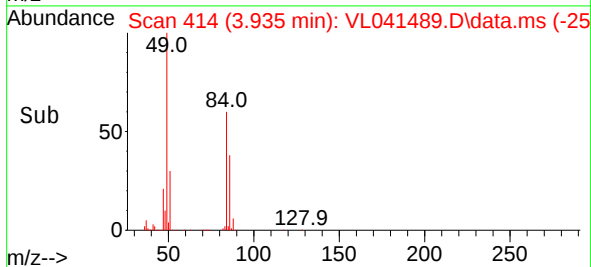
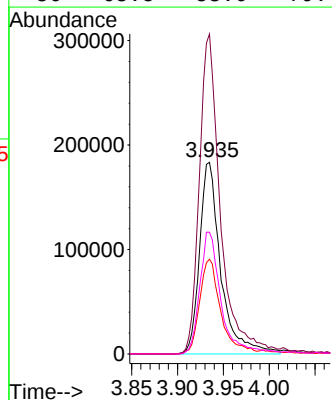
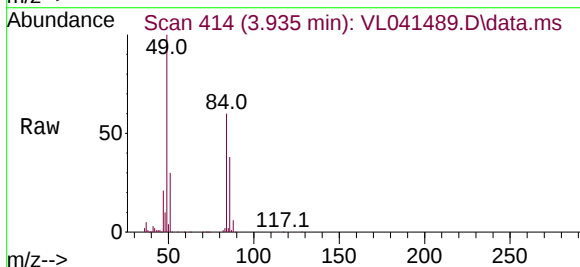
Ion Ratio Lower Upper

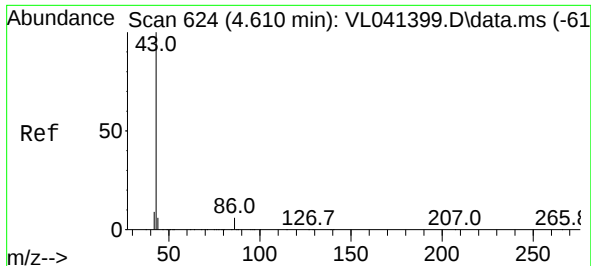
84 100

49 166.5 126.6 190.0

51 49.4 38.6 58.0

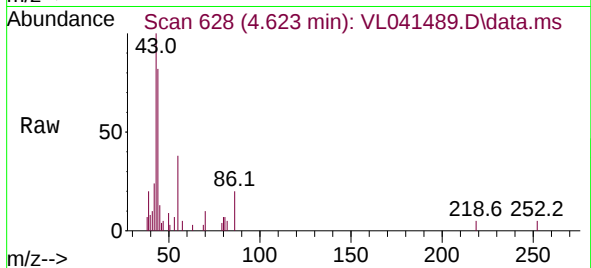
86 63.5 53.0 79.4





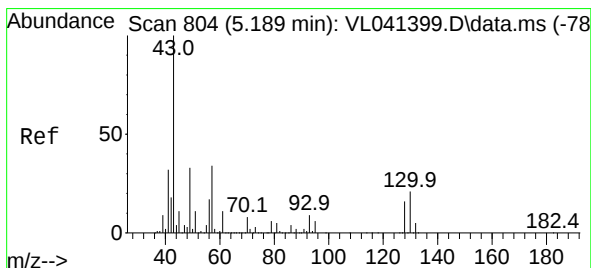
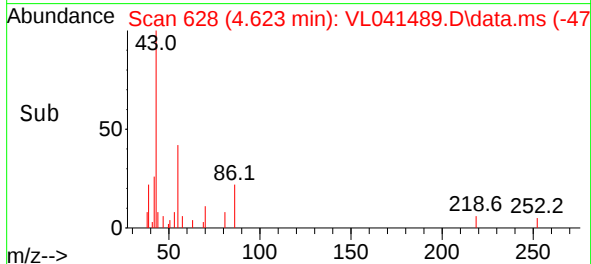
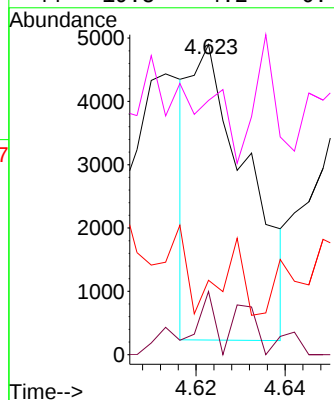
#23
Vinyl Acetate
Concen: 0.054 ppbv
RT: 4.623 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL041489.D
Acq: 1 Aug 2024 22:44

Instrument :
MSVOA_L
ClientSampleId :
3RD-FLOORDL



Tgt Ion: 43 Resp: 4157

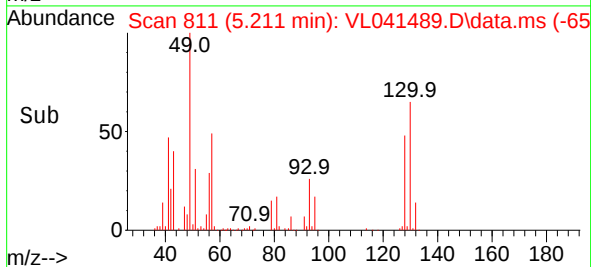
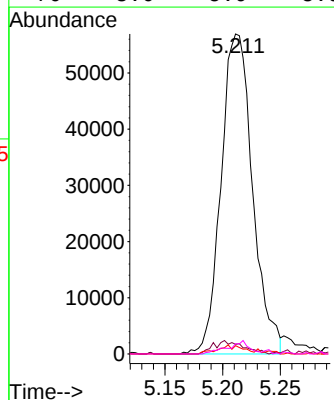
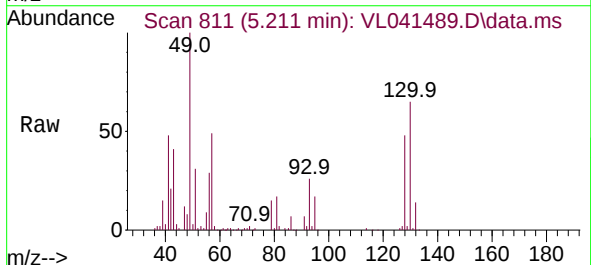
Ion	Ratio	Lower	Upper
43	100		
86	26.5	4.6	6.8#
42	0.0	7.9	11.9#
44	19.8	4.2	6.4#

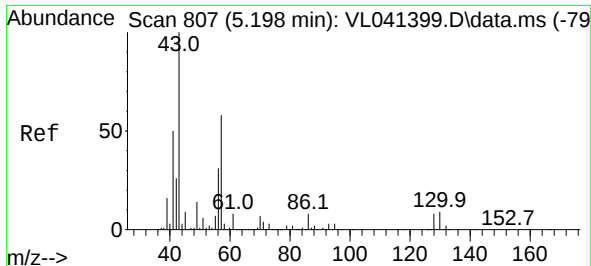


#25
Ethyl Acetate
Concen: 0.544 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.010 min
Lab File: VL041489.D
Acq: 1 Aug 2024 22:44

Tgt Ion: 43 Resp: 107987

Ion	Ratio	Lower	Upper
43	100		
45	4.3	8.5	12.7#
61	2.8	8.0	12.0#
70	3.0	5.9	8.9#





#26

Hexane

Concen: 1.505 ppbv

RT: 5.214 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL041489.D

Acq: 1 Aug 2024 22:44

Instrument :

MSVOA_L

ClientSampleId :

3RD-FLOODL

Tgt Ion: 57 Resp: 124021

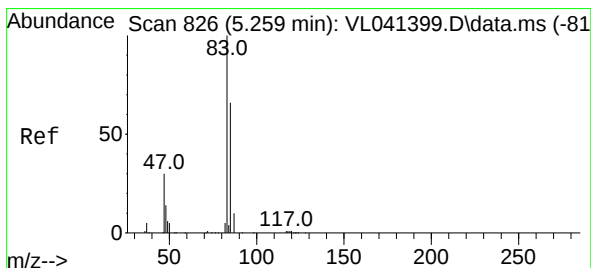
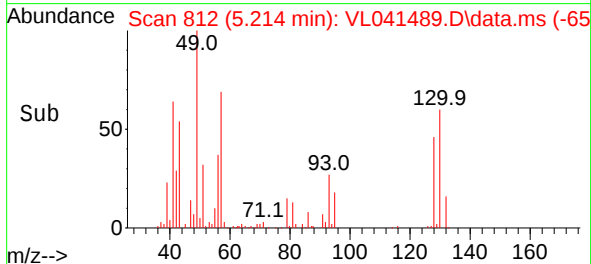
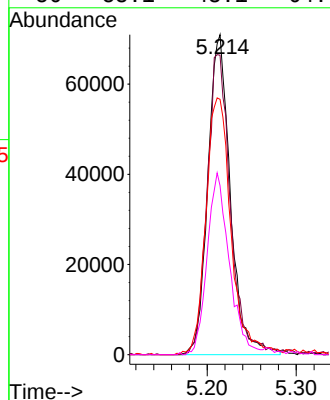
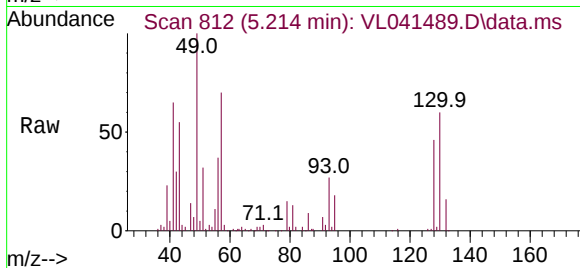
Ion Ratio Lower Upper

57 100

41 98.5 74.0 111.0

43 91.0 193.6 290.4#

56 58.1 43.1 64.7



#29

Chloroform

Concen: 0.047 ppbv

RT: 5.272 min Scan# 830

Delta R.T. 0.000 min

Lab File: VL041489.D

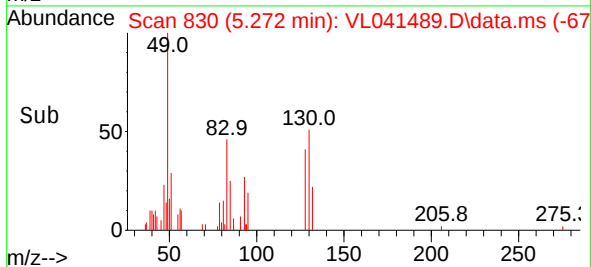
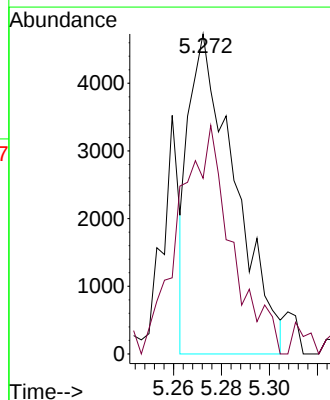
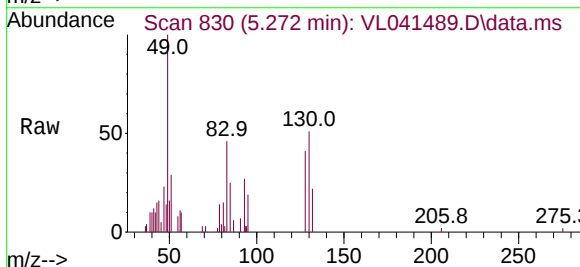
Acq: 1 Aug 2024 22:44

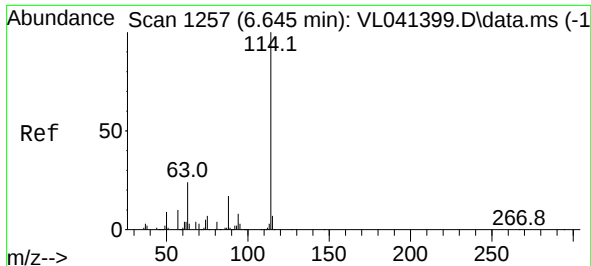
Tgt Ion: 83 Resp: 6333

Ion Ratio Lower Upper

83 100

85 61.4 53.1 79.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.652 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL041489.D

Acq: 1 Aug 2024 22:44

Instrument :

MSVOA_L

ClientSampleId :

3RD-FLOORDL

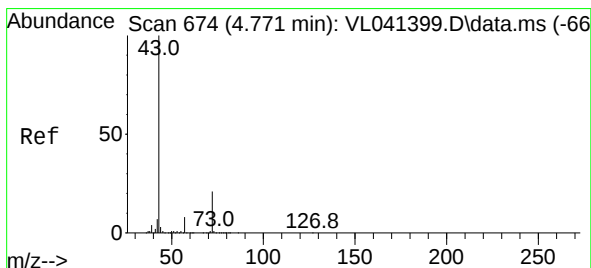
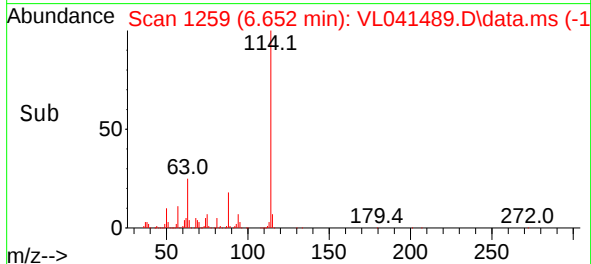
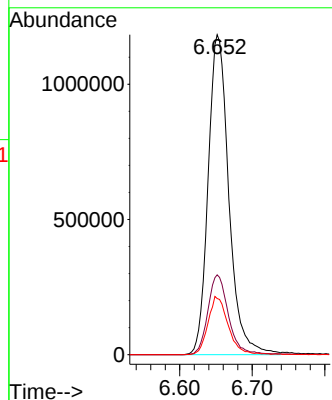
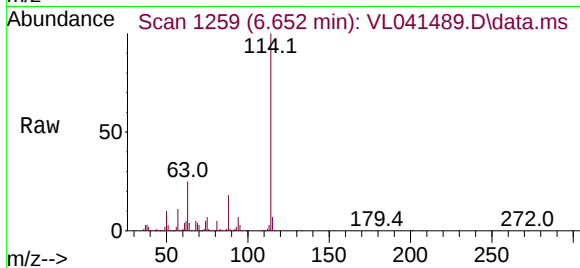
Tgt Ion:114 Resp: 2347984

Ion Ratio Lower Upper

114 100

63 25.1 20.3 30.5

88 17.8 14.3 21.5



#34

2-Butanone

Concen: 0.071 ppbv

RT: 4.796 min Scan# 682

Delta R.T. 0.013 min

Lab File: VL041489.D

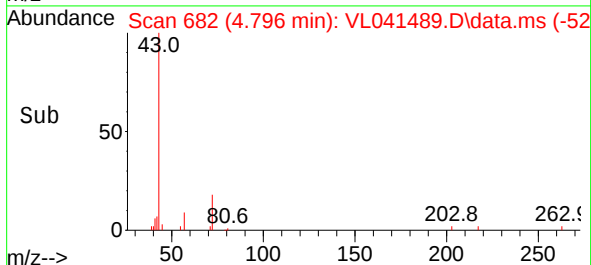
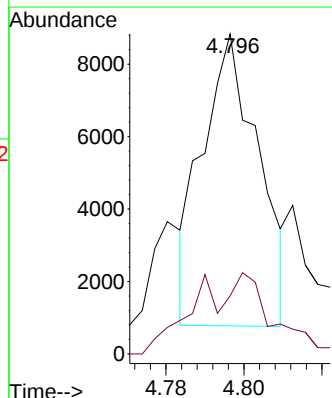
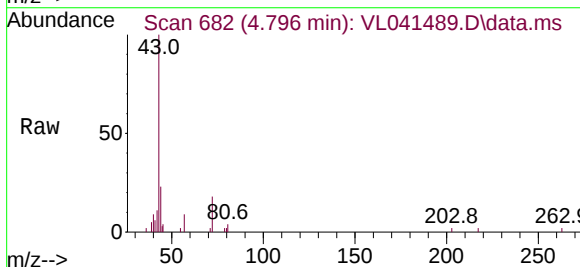
Acq: 1 Aug 2024 22:44

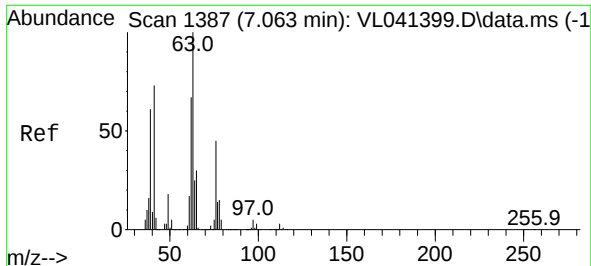
Tgt Ion: 43 Resp: 8031

Ion Ratio Lower Upper

43 100

72 45.1 17.3 25.9#





#39

1,2-Dichloropropane

Concen: 8.692 ppbv

RT: 6.652 min Scan# 11

Delta R.T. -0.418 min

Lab File: VL041489.D

Acq: 1 Aug 2024 22:44

Instrument :

MSVOA_L

ClientSampleId :

3RD-FLOORDL

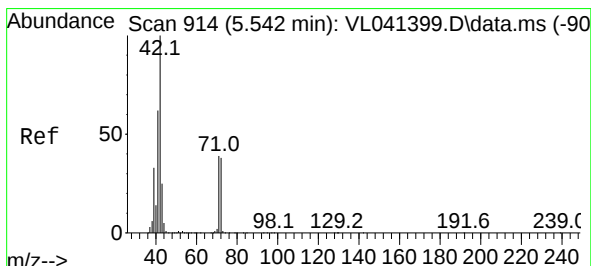
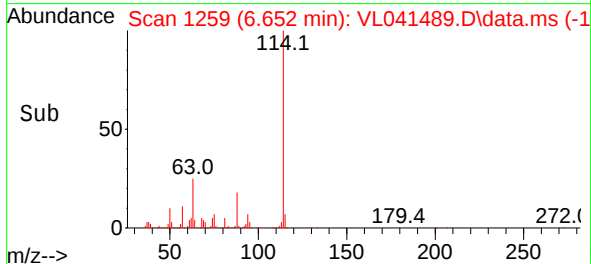
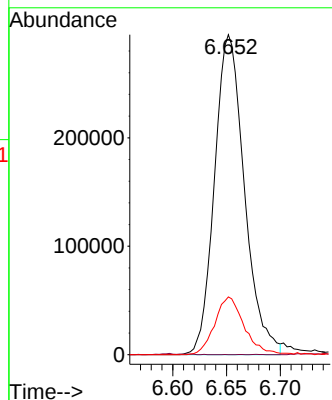
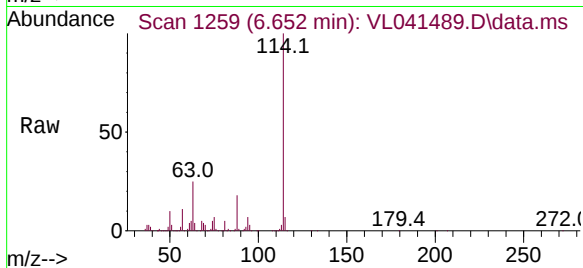
Tgt Ion: 63 Resp: 570946

Ion Ratio Lower Upper

63 100

41 0.0 58.3 87.5#

62 18.1 53.9 80.9#



#41

Tetrahydrofuran

Concen: 0.858 ppbv

RT: 5.214 min Scan# 812

Delta R.T. -0.338 min

Lab File: VL041489.D

Acq: 1 Aug 2024 22:44

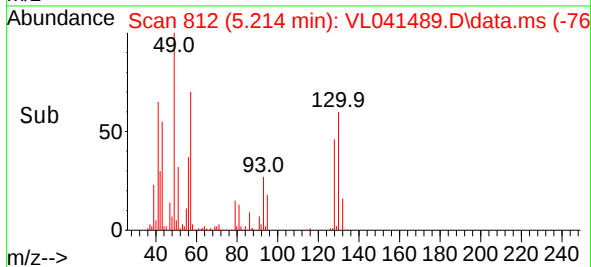
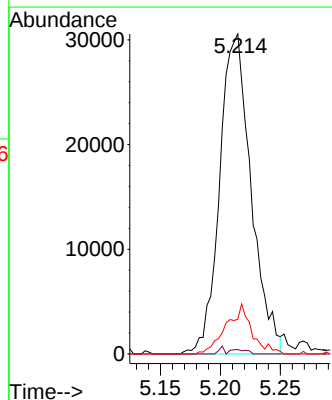
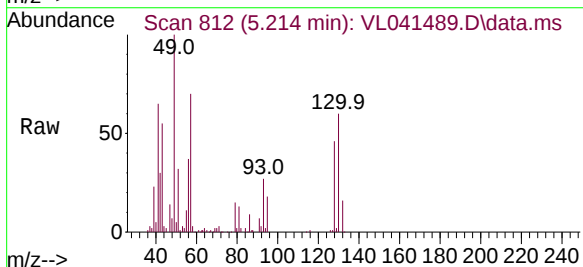
Tgt Ion: 42 Resp: 55761

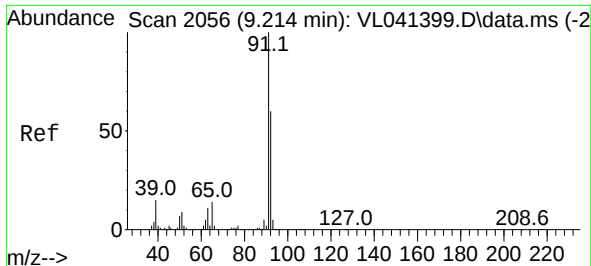
Ion Ratio Lower Upper

42 100

72 1.1 31.2 46.8#

71 12.7 30.5 45.7#





#53

Toluene

Concen: 0.039 ppbv

RT: 9.217 min Scan# 2056

Delta R.T. -0.003 min

Lab File: VL041489.D

Acq: 1 Aug 2024 22:44

Instrument :

MSVOA_L

ClientSampleId :

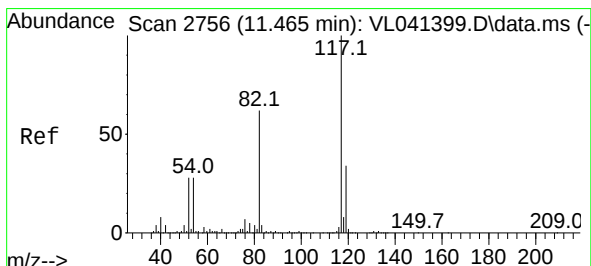
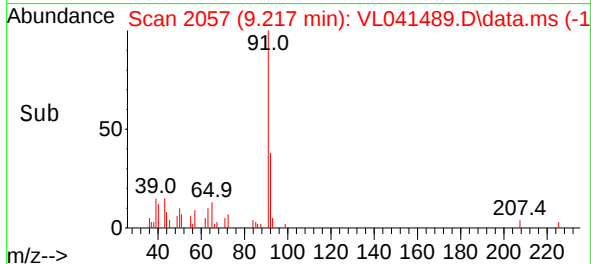
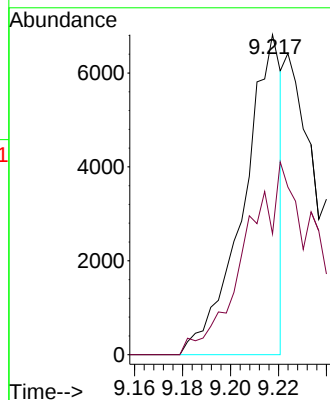
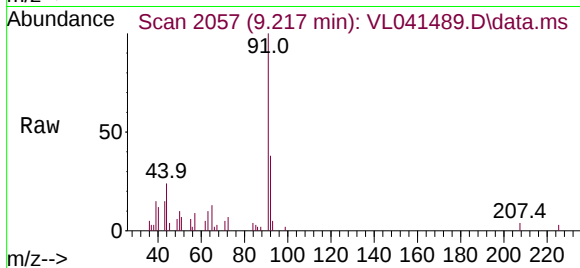
3RD-FLOODL

Tgt Ion: 91 Resp: 7487

Ion Ratio Lower Upper

91 100

92 0.0 48.7 73.1#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.465 min Scan# 2756

Delta R.T. 0.000 min

Lab File: VL041489.D

Acq: 1 Aug 2024 22:44

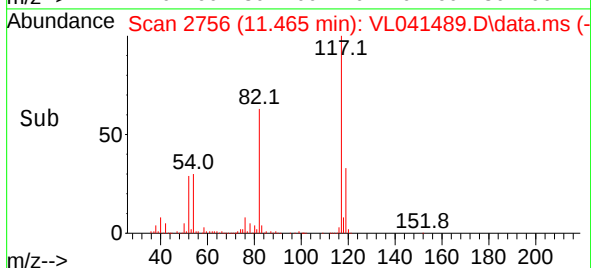
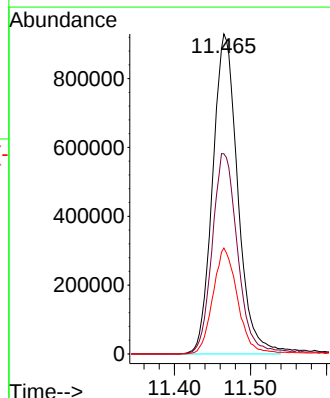
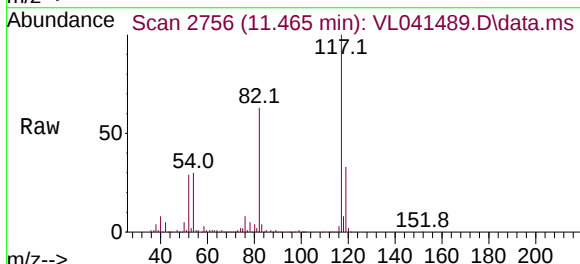
Tgt Ion: 117 Resp: 2127556

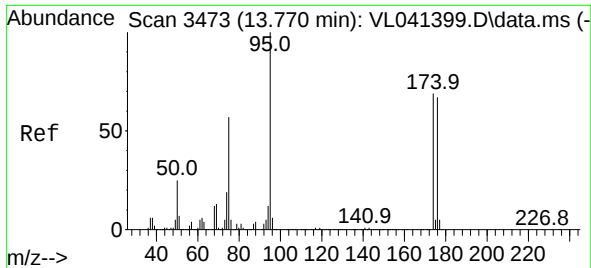
Ion Ratio Lower Upper

117 100

82 64.9 51.0 76.6

119 33.1 45.2 67.8#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.961 ppbv
 RT: 13.777 min Scan# 3475
 Delta R.T. 0.003 min
 Lab File: VL041489.D
 Acq: 1 Aug 2024 22:44

Instrument :
 MSVOA_L
 ClientSampleId :
 3RD-FLOODL

Tgt Ion: 95 Resp: 1630917
 Ion Ratio Lower Upper
 95 100
 174 71.7 56.3 84.5
 175 5.0 4.0 6.0

