

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050824\
 Data File : VL041246.D
 Acq On : 8 May 2024 16:31
 Operator : SY/MD
 Sample : P2334-05DUPDL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BA-03-SS02-20240425DLUP

Quant Time: May 09 02:51:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu May 09 02:43:03 2024
 Response via : Initial Calibration

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

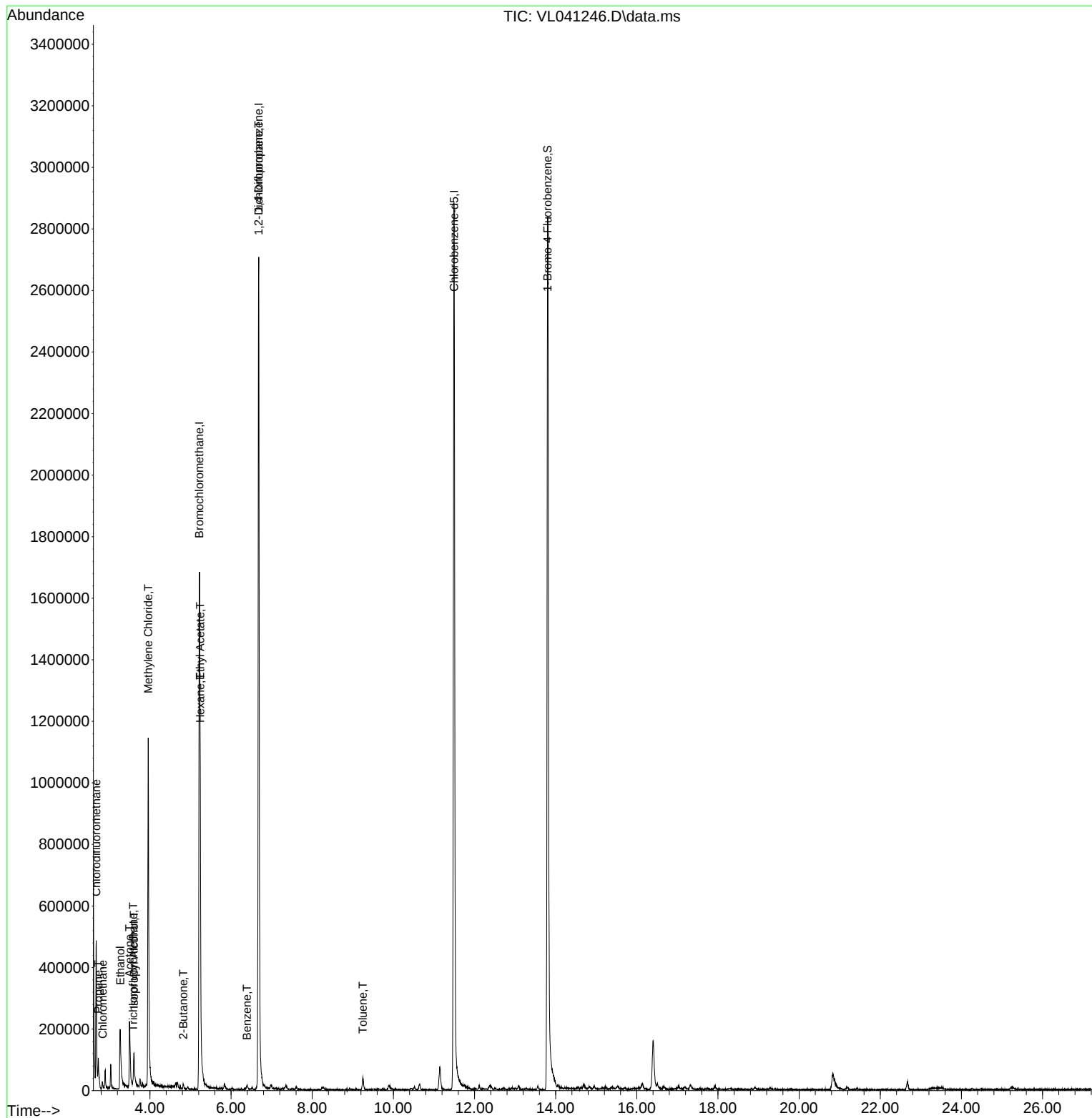
Internal Standards						
1) Bromochloromethane	5.218	49	762898	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.681	114	2038084	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.494	117	1912059	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.802	95	1474999	10.218	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.200%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.677	51	295480	2.550	ppbv #	62
4) Chloromethane	2.835	50	6724	0.148	ppbv #	86
9) Propene	2.729	41	19584	0.432	ppbv #	79
11) Trichlorofluoromethane	3.587	101	7498	0.071	ppbv	94
13) Ethanol	3.269	45	232230	22.846	ppbv	92
15) Acetone	3.497	43	214484	2.382	ppbv	99
19) Isopropyl Alcohol	3.607	45	119915	2.030	ppbv #	48
20) Methylene Chloride	3.957	84	389026	12.425	ppbv	96
25) Ethyl Acetate	5.237	43	193928	1.079	ppbv #	79
26) Hexane	5.240	57	254937	3.179	ppbv #	43
34) 2-Butanone	4.819	43	9512	0.092	ppbv #	80
36) Benzene	6.394	78	7859	0.046	ppbv #	87
39) 1,2-Dichloropropane	6.677	63	515316	7.818	ppbv #	23
53) Toluene	9.246	91	17879	0.090	ppbv #	60

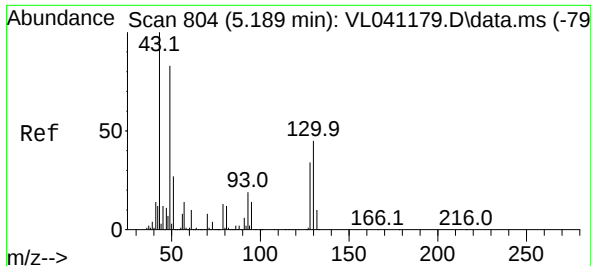
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

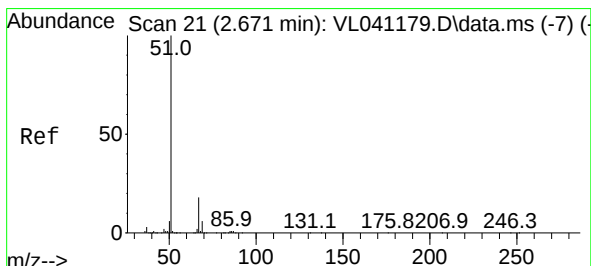
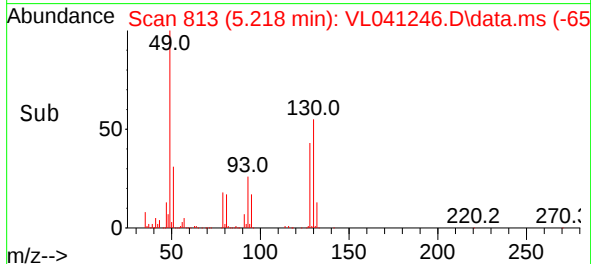
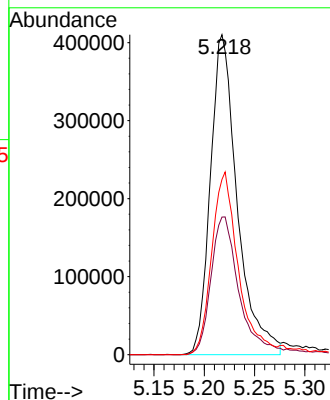
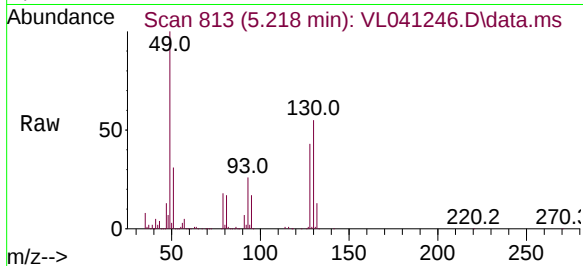




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.218 min Scan# 81
Delta R.T. 0.007 min
Lab File: VL041246.D
Acq: 8 May 2024 16:31

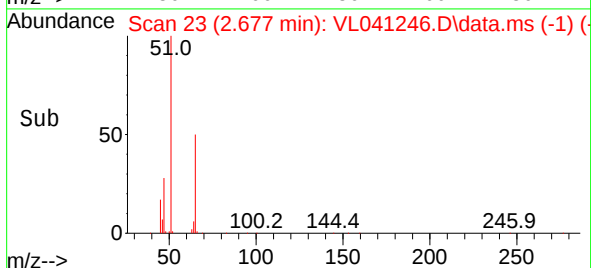
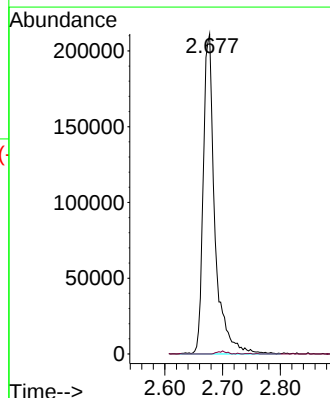
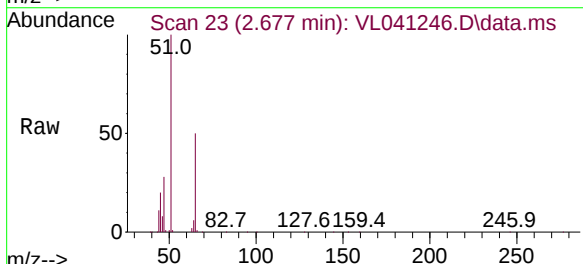
Instrument :
MSVOA_L
ClientSampleId :
BA-03-SS02-20240425DLDP

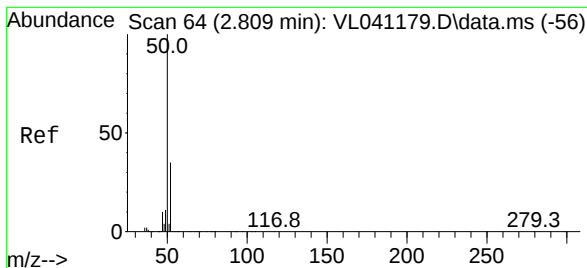
Tgt Ion: 49 Resp: 762898
Ion Ratio Lower Upper
49 100
128 46.9 21.5 64.5
130 60.5 27.2 81.6



#3
Chlorodifluoromethane
Concen: 2.550 ppbv
RT: 2.677 min Scan# 23
Delta R.T. -0.013 min
Lab File: VL041246.D
Acq: 8 May 2024 16:31

Tgt Ion: 51 Resp: 295480
Ion Ratio Lower Upper
51 100
67 0.8 14.0 21.0#

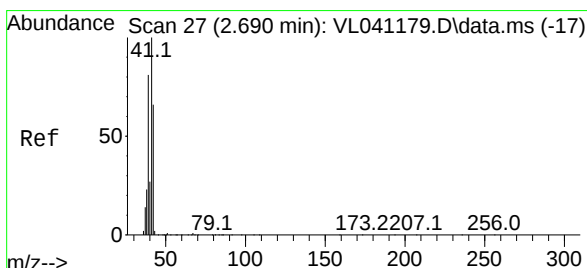
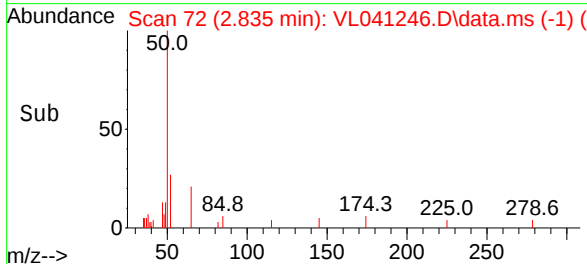
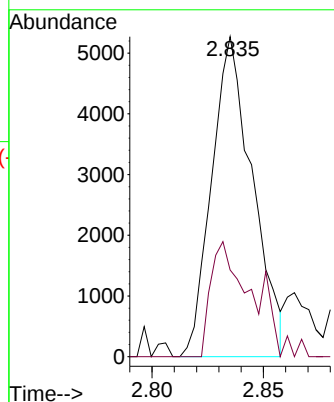
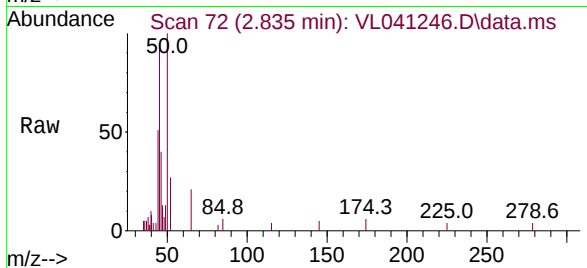




#4
Chloromethane
Concen: 0.148 ppbv
RT: 2.835 min Scan# 71
Delta R.T. 0.003 min
Lab File: VL041246.D
Acq: 8 May 2024 16:31

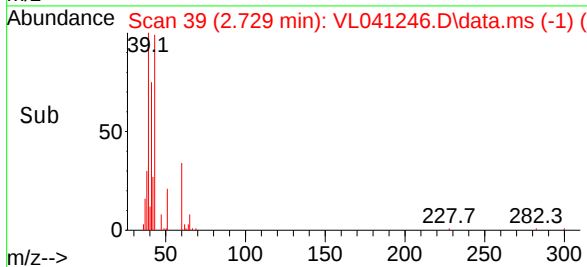
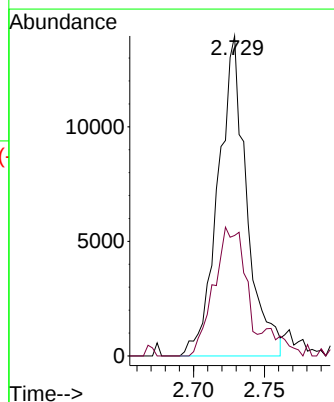
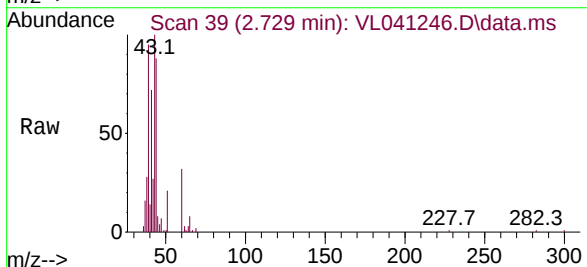
Instrument :
MSVOA_L
ClientSampleId :
BA-03-SS02-20240425DLDUP

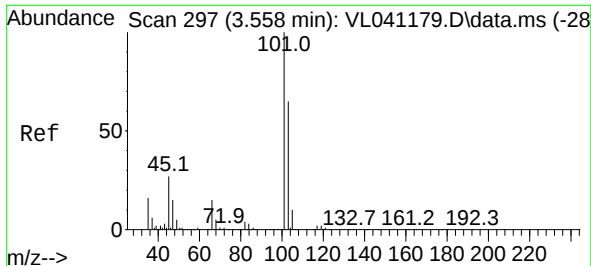
Tgt Ion: 50 Resp: 6724
Ion Ratio Lower Upper
50 100
52 27.1 28.3 42.5#



#9
Propene
Concen: 0.432 ppbv
RT: 2.729 min Scan# 39
Delta R.T. 0.019 min
Lab File: VL041246.D
Acq: 8 May 2024 16:31

Tgt Ion: 41 Resp: 19584
Ion Ratio Lower Upper
41 100
42 52.0 55.3 82.9#





#11

Trichlorofluoromethane

Concen: 0.071 ppbv

RT: 3.587 min Scan# 306

Delta R.T. 0.006 min

Lab File: VL041246.D

Acq: 8 May 2024 16:31

Instrument :

MSVOA_L

ClientSampleId :

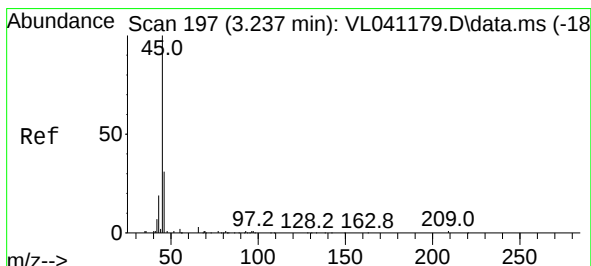
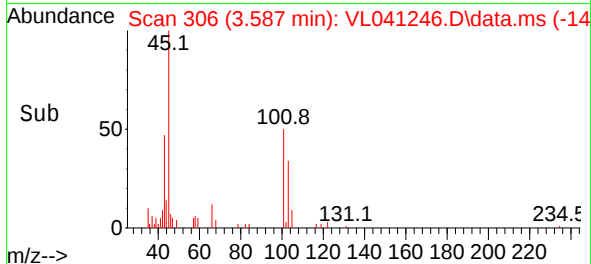
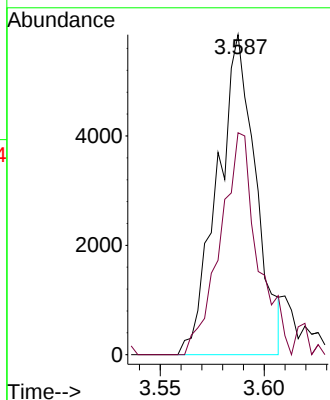
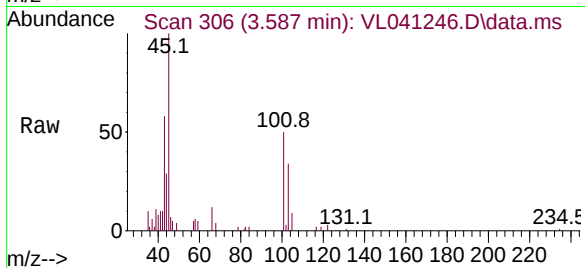
BA-03-SS02-20240425DLDUP

Tgt Ion:101 Resp: 7498

Ion Ratio Lower Upper

101 100

103 69.3 51.6 77.4



#13

Ethanol

Concen: 22.846 ppbv

RT: 3.269 min Scan# 207

Delta R.T. 0.013 min

Lab File: VL041246.D

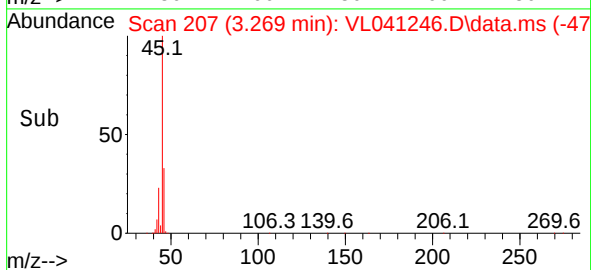
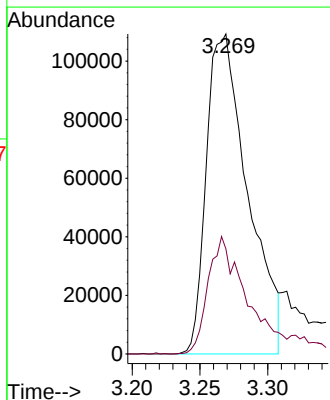
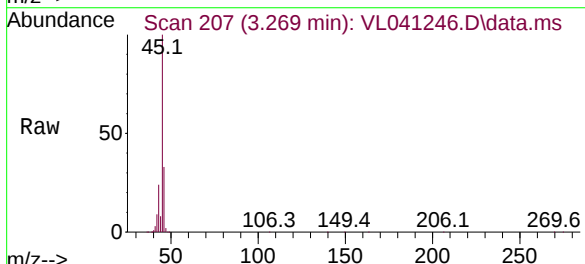
Acq: 8 May 2024 16:31

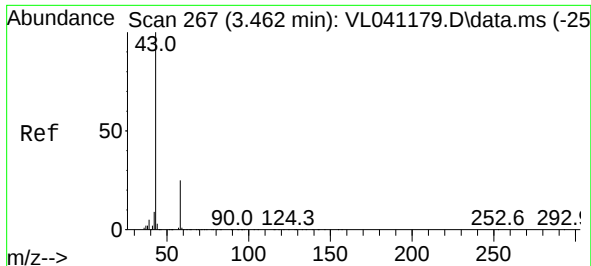
Tgt Ion: 45 Resp: 232230

Ion Ratio Lower Upper

45 100

46 41.8 14.8 59.0





#15

Acetone

Concen: 2.382 ppbv

RT: 3.497 min Scan# 21

Delta R.T. 0.013 min

Lab File: VL041246.D

Acq: 8 May 2024 16:31

Instrument :

MSVOA_L

ClientSampleId :

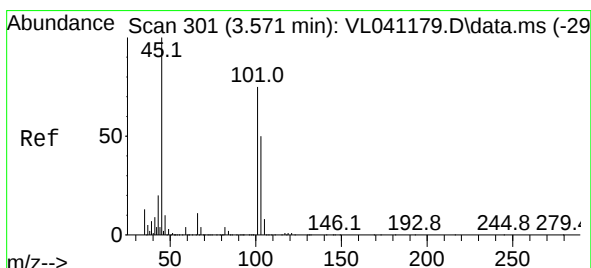
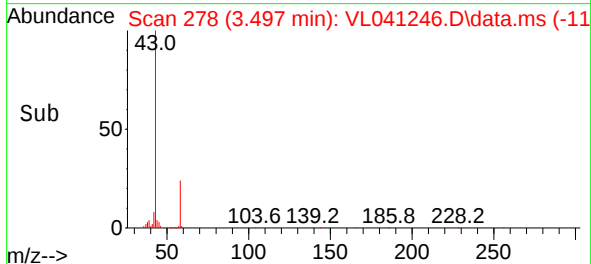
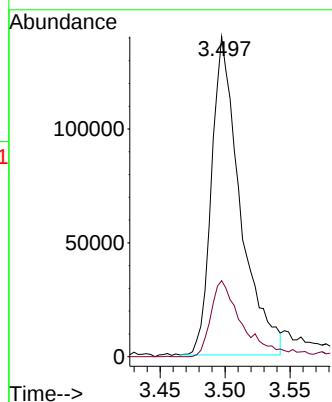
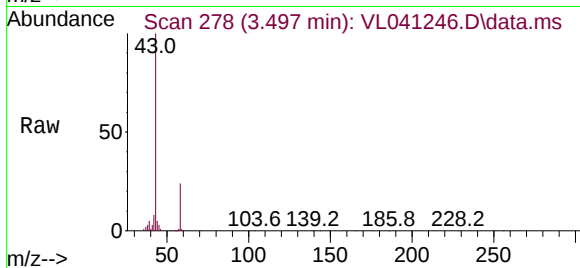
BA-03-SS02-20240425DLDUP

Tgt Ion: 43 Resp: 214484

Ion Ratio Lower Upper

43 100

58 27.4 21.4 32.0



#19

Isopropyl Alcohol

Concen: 2.030 ppbv

RT: 3.607 min Scan# 312

Delta R.T. 0.016 min

Lab File: VL041246.D

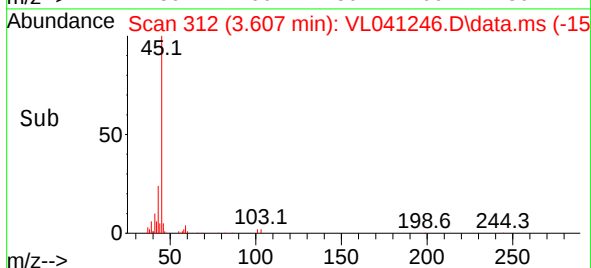
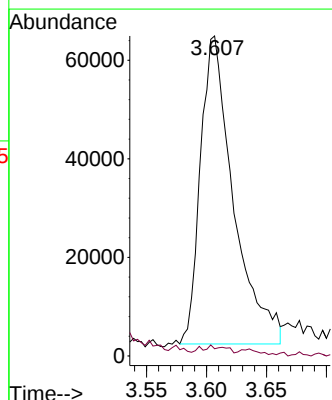
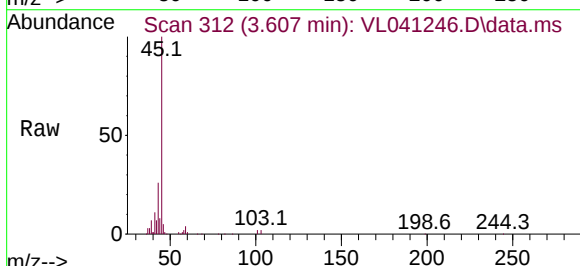
Acq: 8 May 2024 16:31

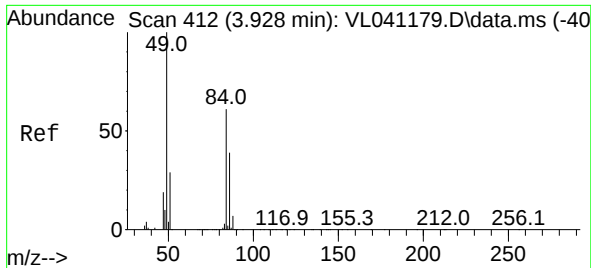
Tgt Ion: 45 Resp: 119915

Ion Ratio Lower Upper

45 100

58 3.8 26.8 40.2#





#20

Methylene Chloride

Concen: 12.425 ppbv

RT: 3.957 min Scan# 412

Delta R.T. 0.006 min

Lab File: VL041246.D

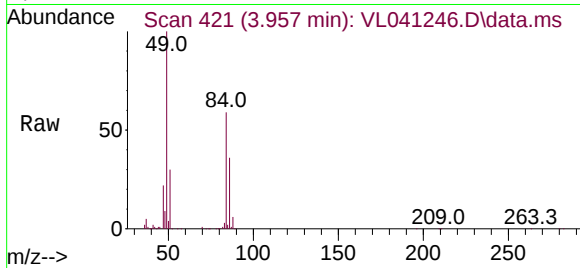
Acq: 8 May 2024 16:31

Instrument :

MSVOA_L

ClientSampleId :

BA-03-SS02-20240425DLDUP



Tgt Ion: 84 Resp: 389026

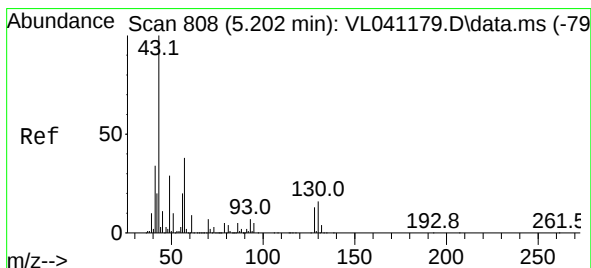
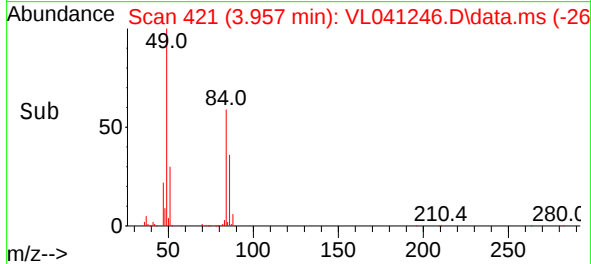
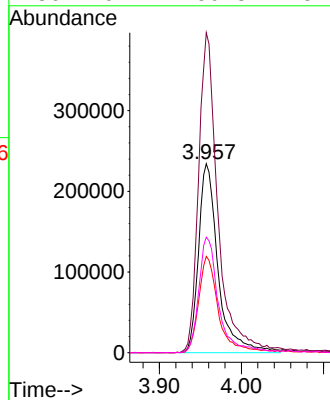
Ion Ratio Lower Upper

84 100

49 169.3 130.4 195.6

51 51.0 38.0 57.0

86 61.1 50.3 75.5



#25

Ethyl Acetate

Concen: 1.079 ppbv

RT: 5.237 min Scan# 819

Delta R.T. 0.016 min

Lab File: VL041246.D

Acq: 8 May 2024 16:31

Tgt Ion: 43 Resp: 193928

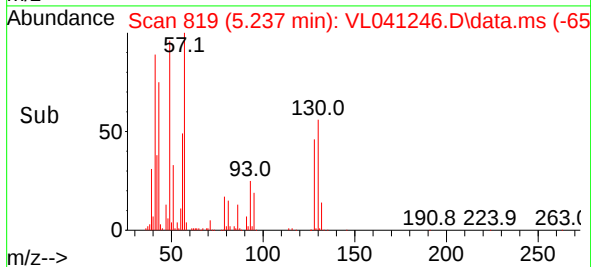
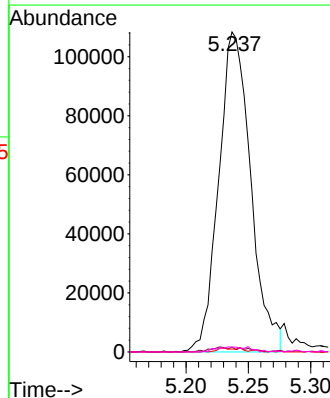
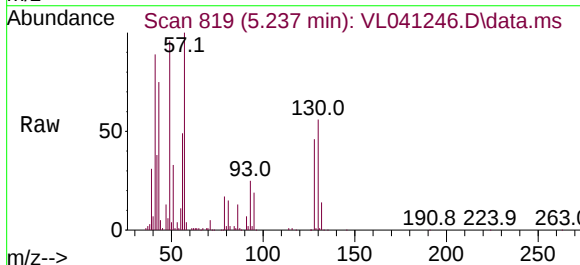
Ion Ratio Lower Upper

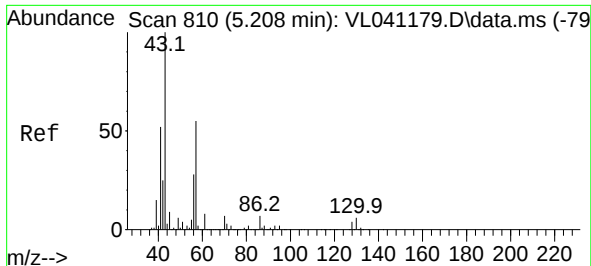
43 100

45 1.9 8.2 12.2#

61 1.1 7.7 11.5#

70 1.7 5.8 8.6#





#26

Hexane

Concen: 3.179 ppbv

RT: 5.240 min Scan# 81

Delta R.T. 0.010 min

Lab File: VL041246.D

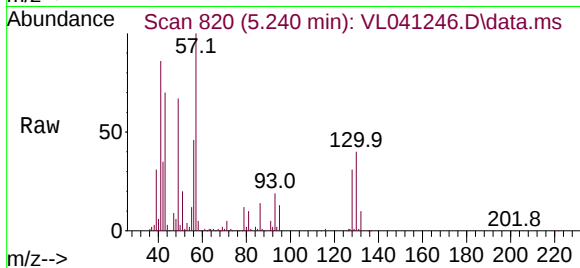
Acq: 8 May 2024 16:31

Instrument :

MSVOA_L

ClientSampleId :

BA-03-SS02-20240425DLDP



Tgt Ion: 57 Resp: 254937

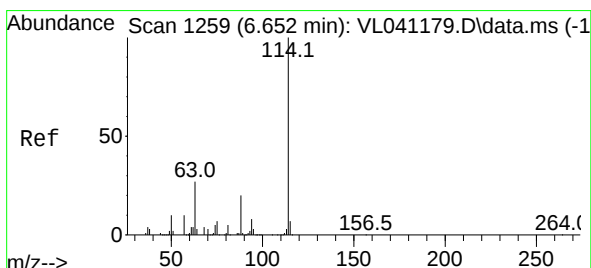
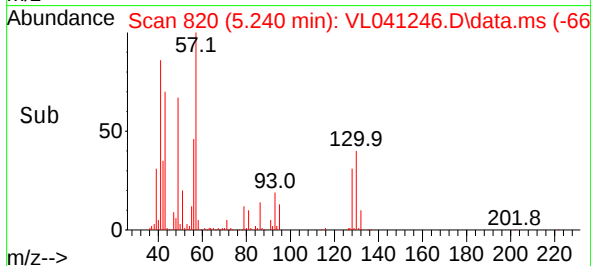
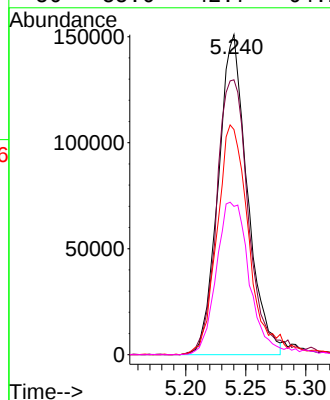
Ion Ratio Lower Upper

57 100

41 96.6 75.8 113.8

43 79.8 187.0 280.4#

56 55.6 42.7 64.1



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.681 min Scan# 1268

Delta R.T. 0.006 min

Lab File: VL041246.D

Acq: 8 May 2024 16:31

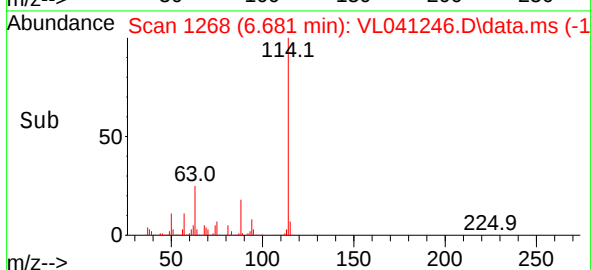
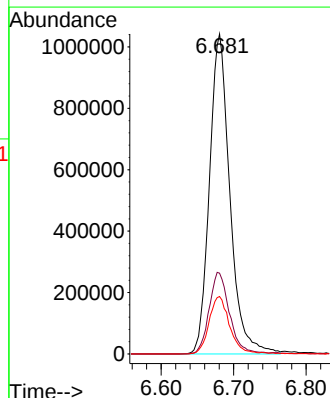
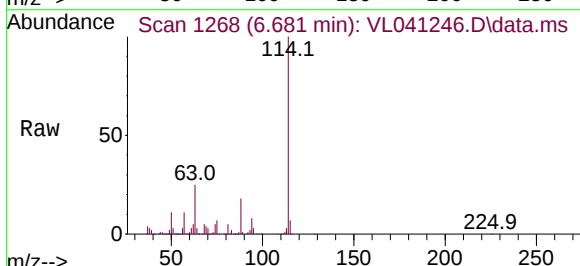
Tgt Ion:114 Resp: 2038084

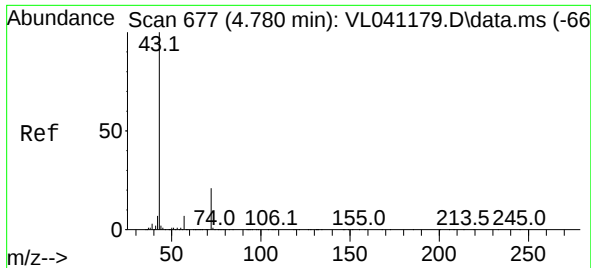
Ion Ratio Lower Upper

114 100

63 25.7 21.8 32.6

88 18.4 15.2 22.8

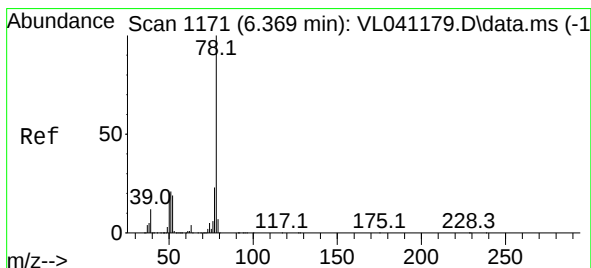
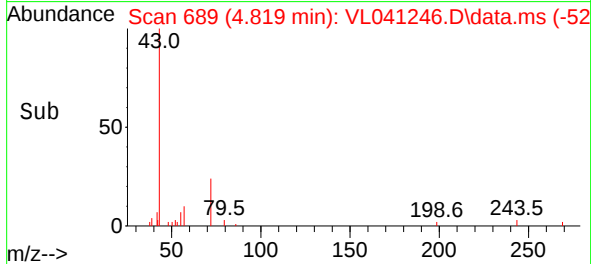
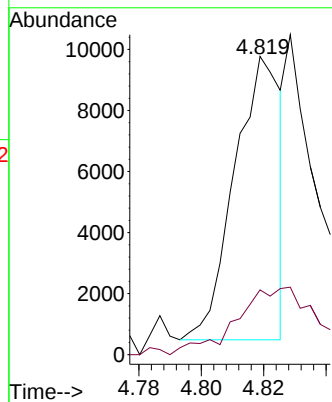
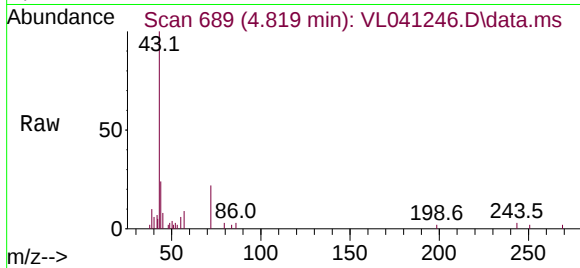




#34
2-Butanone
Concen: 0.092 ppbv
RT: 4.819 min Scan# 61
Delta R.T. 0.016 min
Lab File: VL041246.D
Acq: 8 May 2024 16:31

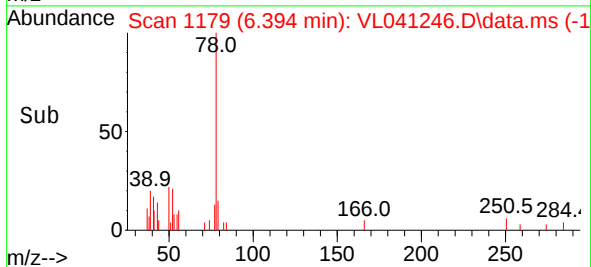
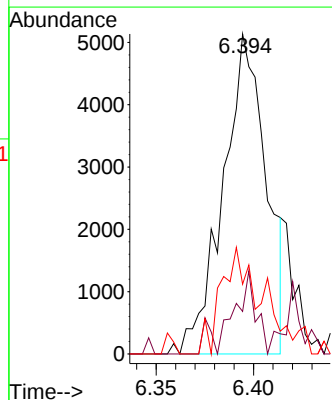
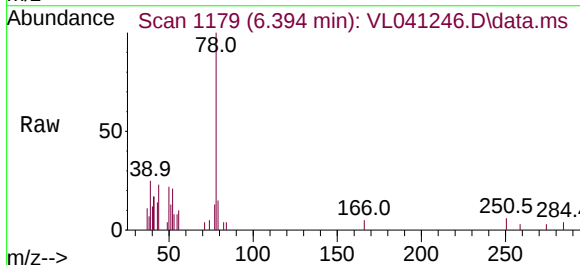
Instrument :
MSVOA_L
ClientSampleId :
BA-03-SS02-20240425DLDP

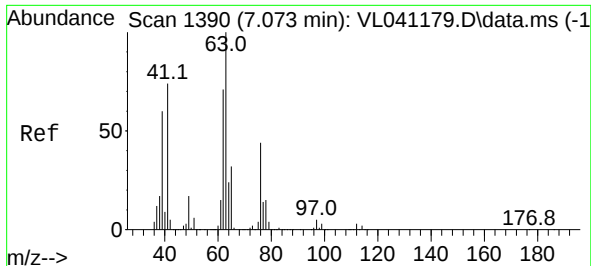
Tgt Ion: 43 Resp: 9512
Ion Ratio Lower Upper
43 100
72 12.1 17.3 25.9#



#36
Benzene
Concen: 0.046 ppbv
RT: 6.394 min Scan# 1179
Delta R.T. 0.003 min
Lab File: VL041246.D
Acq: 8 May 2024 16:31

Tgt Ion: 78 Resp: 7859
Ion Ratio Lower Upper
78 100
77 13.3 18.3 27.5#
50 21.8 15.9 23.9





#39

1,2-Dichloropropane

Concen: 7.818 ppbv

RT: 6.677 min Scan# 1267

Delta R.T. -0.415 min

Lab File: VL041246.D

Acq: 8 May 2024 16:31

Instrument :

MSVOA_L

ClientSampleId :

BA-03-SS02-20240425DLDUP

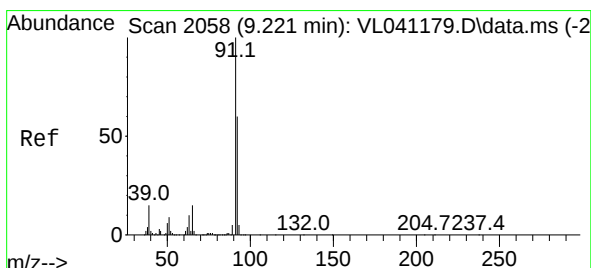
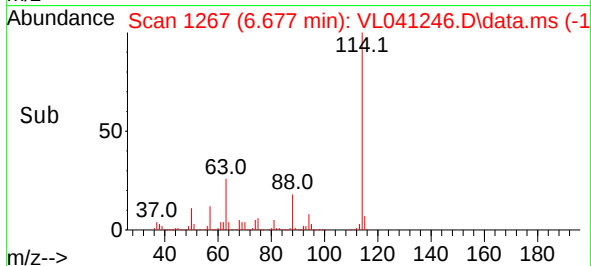
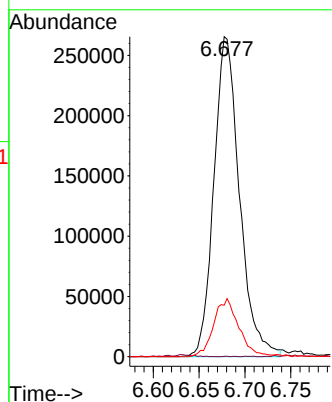
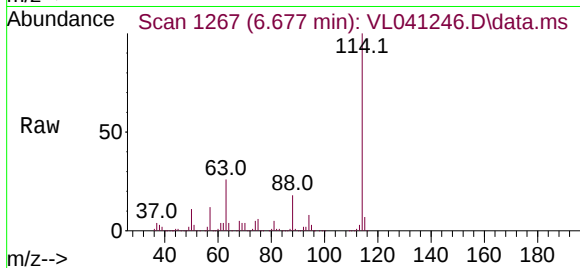
Tgt Ion: 63 Resp: 515316

Ion Ratio Lower Upper

63 100

41 0.1 59.4 89.0#

62 16.1 56.8 85.2#



#53

Toluene

Concen: 0.090 ppbv

RT: 9.246 min Scan# 2066

Delta R.T. 0.006 min

Lab File: VL041246.D

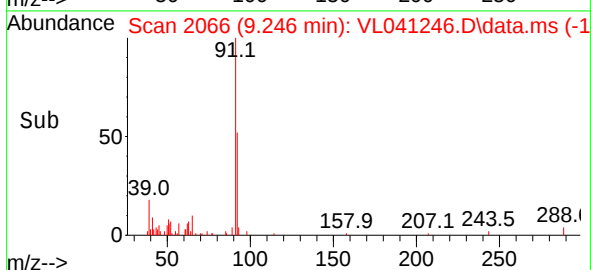
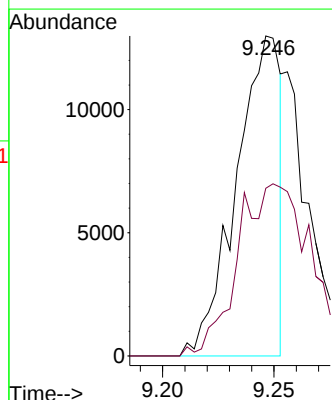
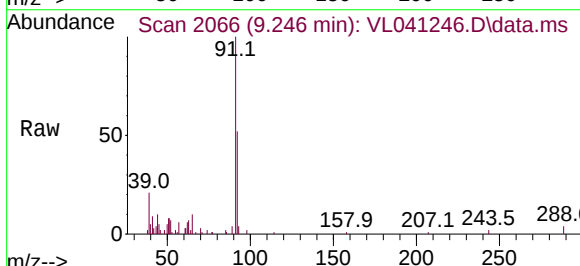
Acq: 8 May 2024 16:31

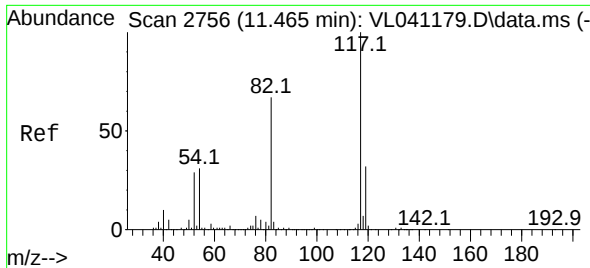
Tgt Ion: 91 Resp: 17879

Ion Ratio Lower Upper

91 100

92 90.7 48.2 72.4#

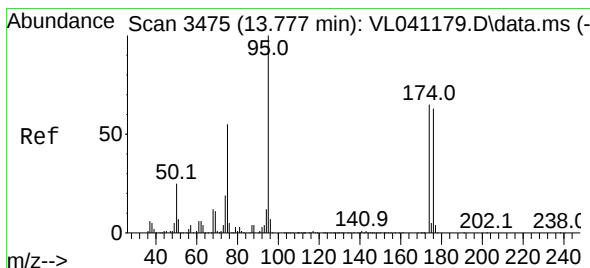
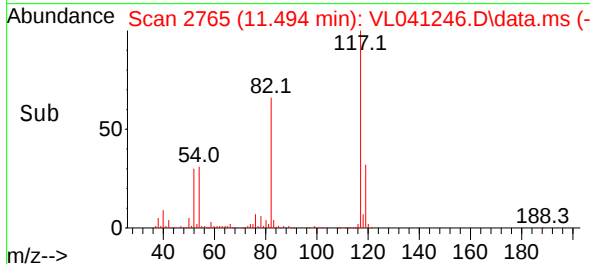
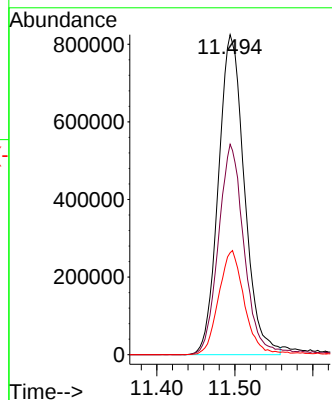
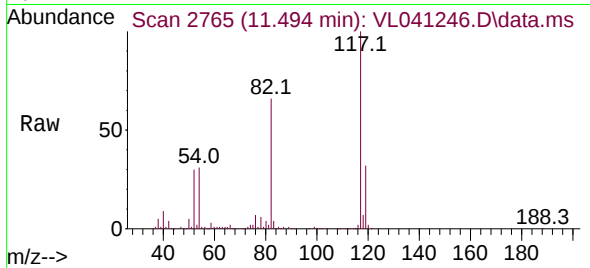




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.494 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL041246.D
Acq: 8 May 2024 16:31

Instrument :
MSVOA_L
ClientSampleId :
BA-03-SS02-20240425DLDP

Tgt Ion:117 Resp: 1912059
Ion Ratio Lower Upper
117 100
82 66.2 53.6 80.4
119 33.2 27.2 40.8



#68
1-Bromo-4-Fluorobenzene
Concen: 10.218 ppbv
RT: 13.802 min Scan# 3483
Delta R.T. 0.006 min
Lab File: VL041246.D
Acq: 8 May 2024 16:31

Tgt Ion: 95 Resp: 1474999
Ion Ratio Lower Upper
95 100
174 65.8 53.6 80.4
175 4.9 4.2 6.4

