

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030823\
 Data File : VL040253.D
 Acq On : 8 Mar 2023 14:19
 Operator : SY/MD
 Sample : 01836-02DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LM-3723-IADL

Quant Time: Mar 09 04:12:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Mar 01 04:21:39 2023
 Response via : Initial Calibration

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

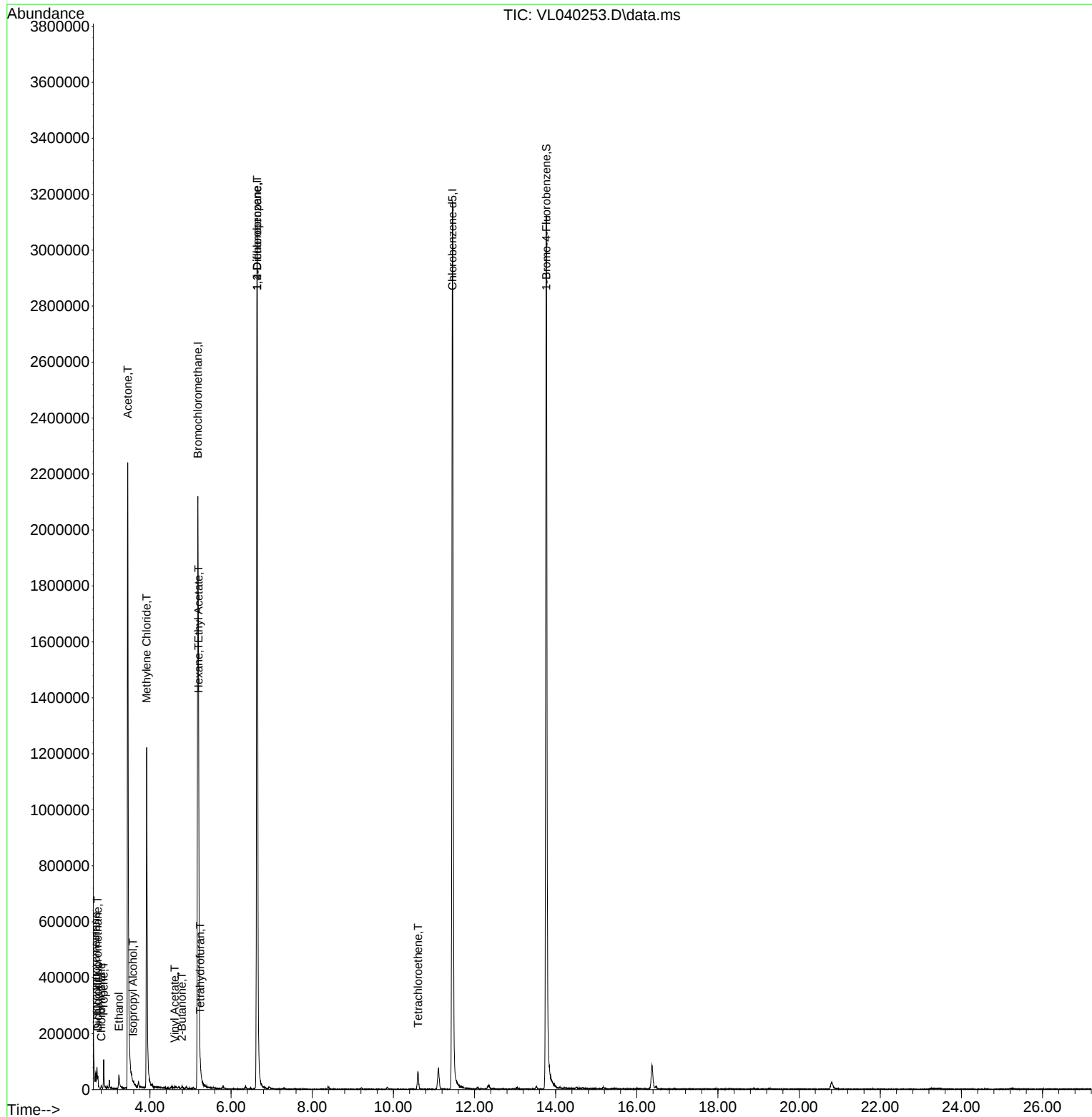
Internal Standards						
1) Bromochloromethane	5.179	49	921468	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.642	114	2255323	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.458	117	1956413	10.000	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	1561468	9.706	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.716	85	20546	0.120	ppbv	91
3) Chlorodifluoromethane	2.664	51	44753	0.407	ppbv	97
4) Chloromethane	2.803	50	7194	0.104	ppbv #	82
9) Propene	2.861	41	23507	0.524	ppbv	96
13) Ethanol	3.234	45	50356	12.190	ppbv	89
15) Acetone	3.452	43	2366348	21.330	ppbv	99
19) Isopropyl Alcohol	3.581	45	4043	0.077	ppbv #	90
20) Methylene Chloride	3.922	84	419463	7.263	ppbv	95
23) Vinyl Acetate	4.610	43	2708	0.080	ppbv #	67
25) Ethyl Acetate	5.198	43	212212	1.029	ppbv #	76
26) Hexane	5.201	57	311412	3.517	ppbv #	37
34) 2-Butanone	4.790	43	4164	0.037	ppbv #	24
39) 1,2-Dichloropropane	6.642	63	574942	8.421	ppbv #	26
41) Tetrahydrofuran	5.240	42	2131	0.033	ppbv #	35
52) Tetrachloroethene	10.606	164	1933	0.035	ppbv #	15

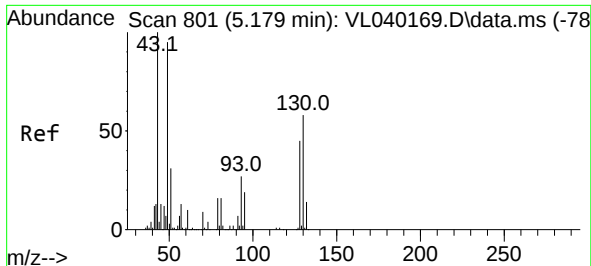
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 01 04:21:39 2023
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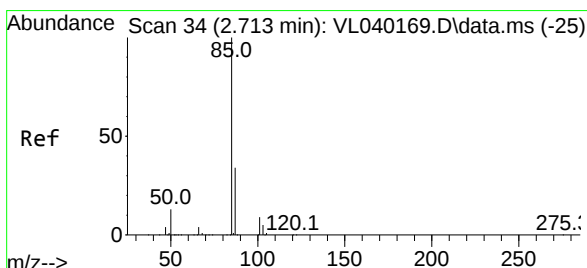
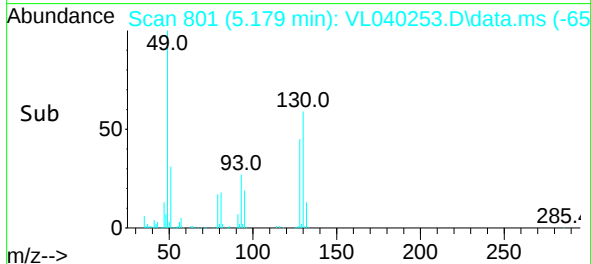
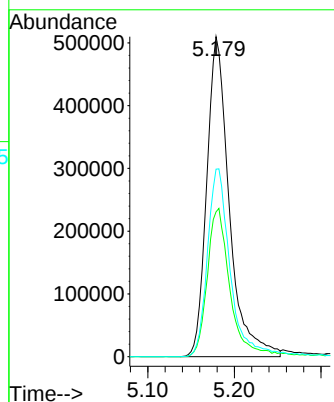
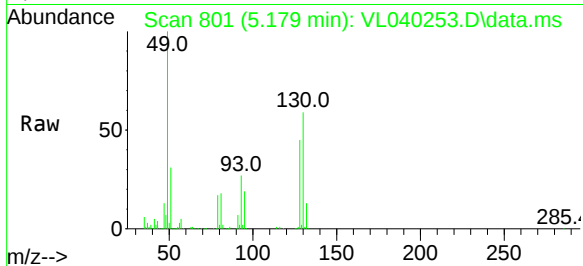




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.179 min Scan# 80
 Delta R.T. -0.022 min
 Lab File: VL040253.D
 Acq: 8 Mar 2023 14:19

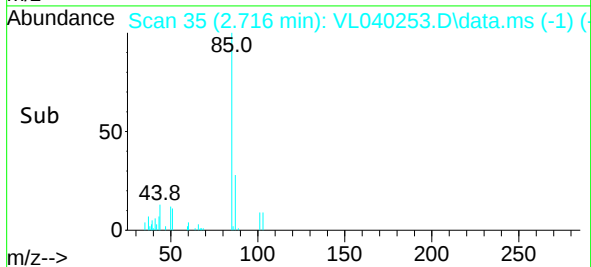
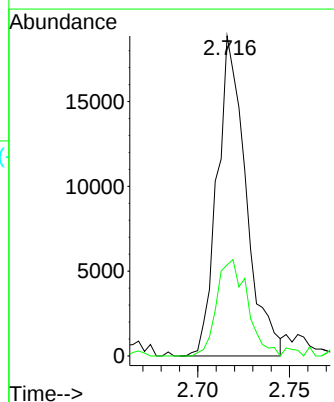
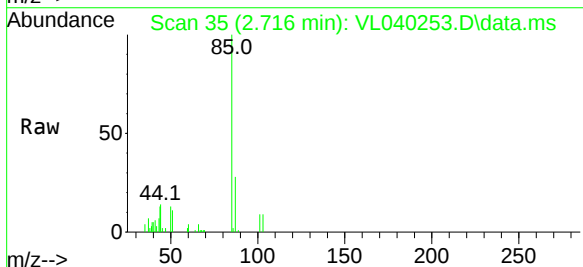
Instrument :
 MSVOA_L
 ClientSampleId :
 LM-3723-IADL

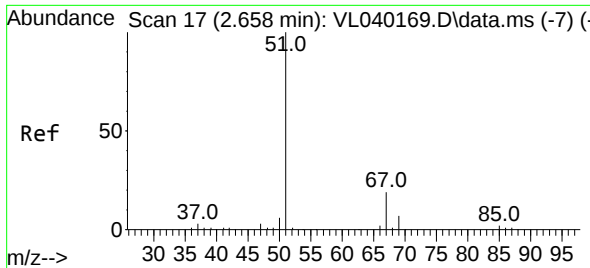
Tgt Ion: 49 Resp: 921468
 Ion Ratio Lower Upper
 49 100
 128 47.3 24.1 72.3
 130 60.5 30.9 92.8



#2
 Dichlorodifluoromethane
 Concen: 0.120 ppbv
 RT: 2.716 min Scan# 35
 Delta R.T. -0.010 min
 Lab File: VL040253.D
 Acq: 8 Mar 2023 14:19

Tgt Ion: 85 Resp: 20546
 Ion Ratio Lower Upper
 85 100
 87 28.4 27.0 40.6

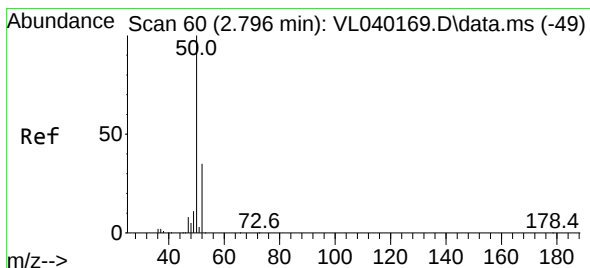
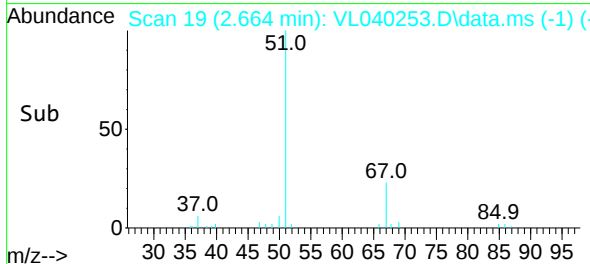
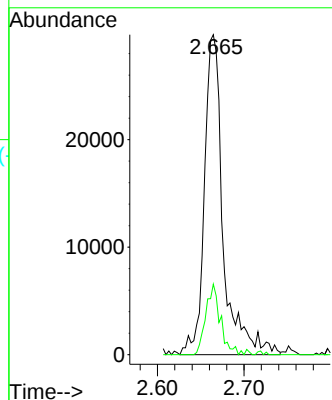
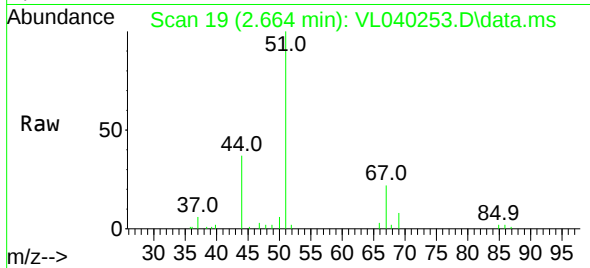




#3
Chlorodifluoromethane
Concen: 0.407 ppbv
RT: 2.664 min Scan# 19
Delta R.T. -0.006 min
Lab File: VL040253.D
Acq: 8 Mar 2023 14:19

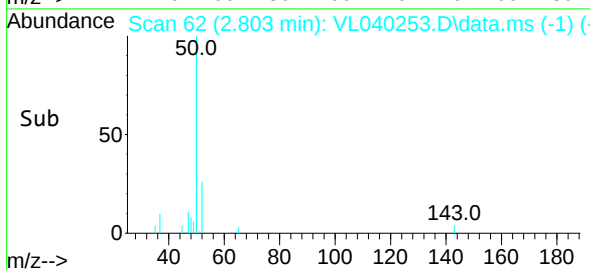
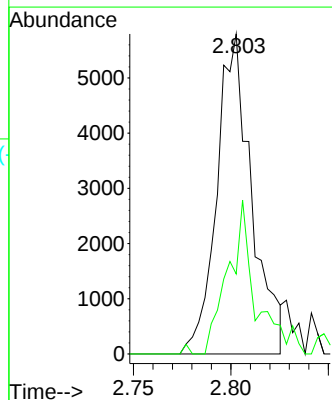
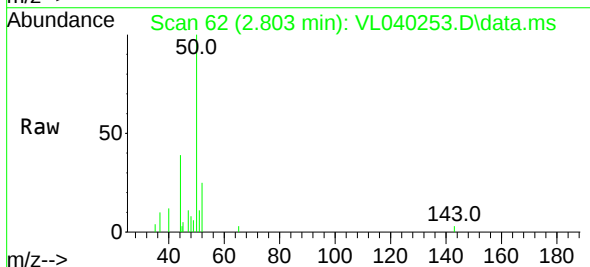
Instrument :
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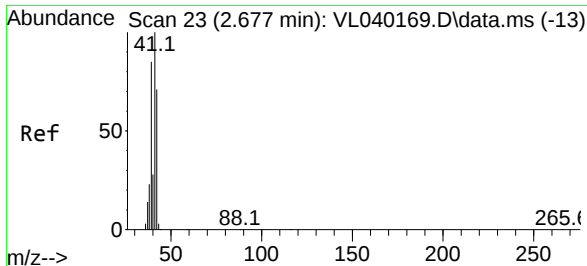
Tgt Ion: 51 Resp: 44753
Ion Ratio Lower Upper
51 100
67 17.7 15.4 23.2



#4
Chloromethane
Concen: 0.104 ppbv
RT: 2.803 min Scan# 62
Delta R.T. -0.010 min
Lab File: VL040253.D
Acq: 8 Mar 2023 14:19

Tgt Ion: 50 Resp: 7194
Ion Ratio Lower Upper
50 100
52 25.0 28.3 42.5#

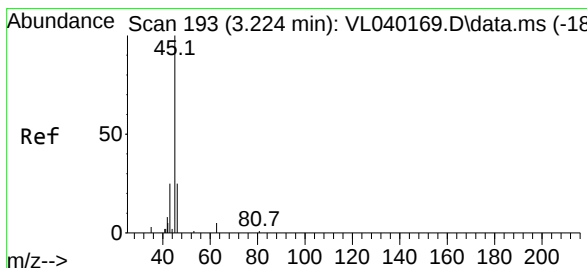
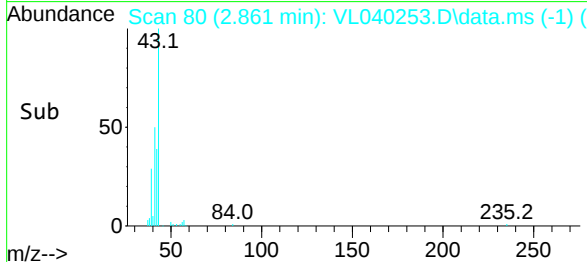
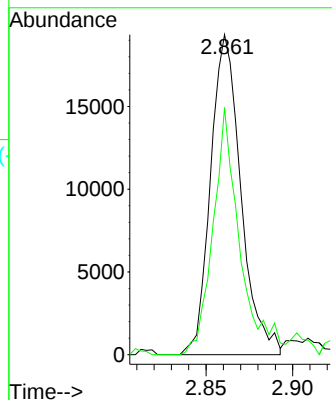
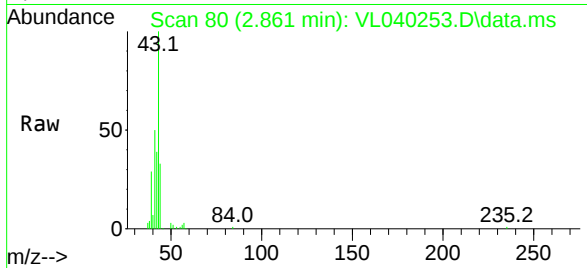




#9
 Propene
 Concen: 0.524 ppbv
 RT: 2.861 min Scan# 80
 Delta R.T. 0.170 min
 Lab File: VL040253.D
 Acq: 8 Mar 2023 14:19

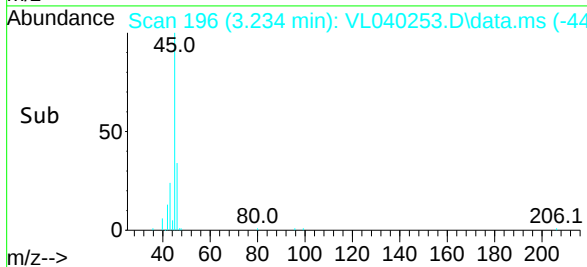
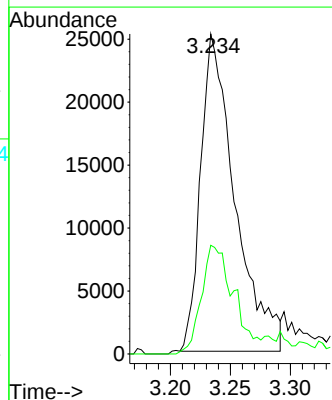
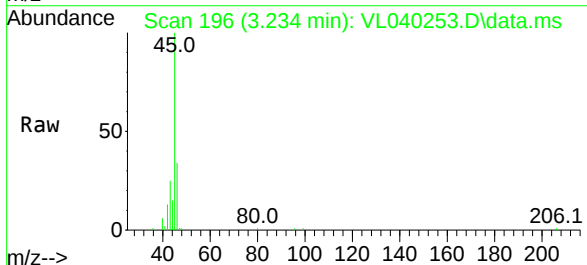
Instrument :
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 ClientSampleId :
 LM-3723-IADL

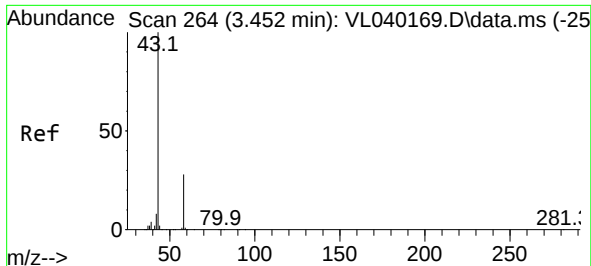
Tgt Ion: 41 Resp: 23507
 Ion Ratio Lower Upper
 41 100
 42 74.6 56.9 85.3



#13
 Ethanol
 Concen: 12.190 ppbv
 RT: 3.234 min Scan# 196
 Delta R.T. -0.013 min
 Lab File: VL040253.D
 Acq: 8 Mar 2023 14:19

Tgt Ion: 45 Resp: 50356
 Ion Ratio Lower Upper
 45 100
 46 39.2 13.3 53.1

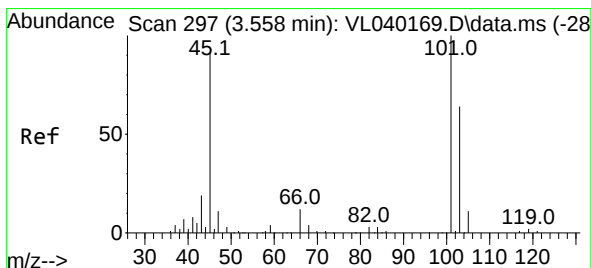
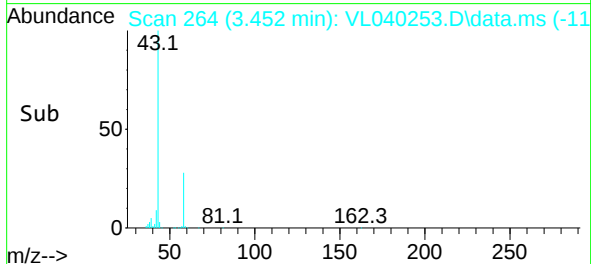
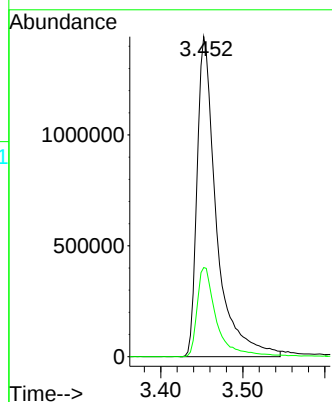
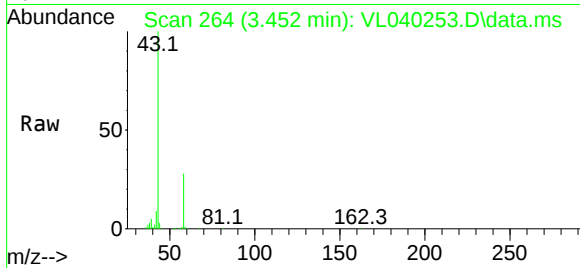




#15
Acetone
Concen: 21.330 ppbv
RT: 3.452 min Scan# 215
Delta R.T. -0.016 min
Lab File: VL040253.D
Acq: 8 Mar 2023 14:19

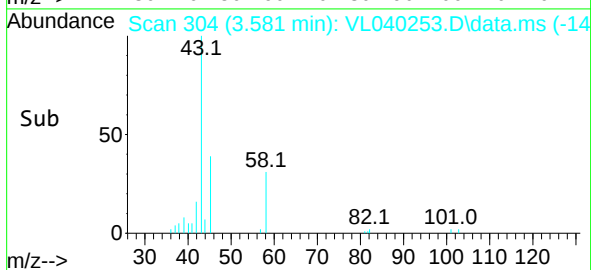
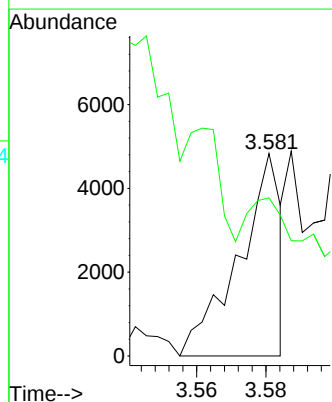
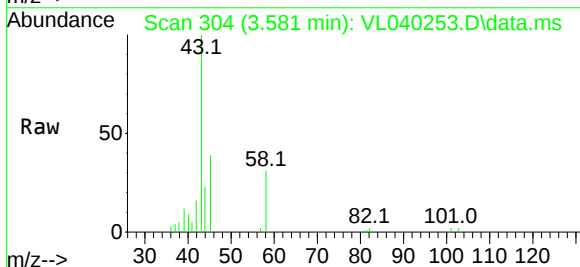
Instrument :
MSVOA_L
ClientSampleId :
LM-3723-IADL

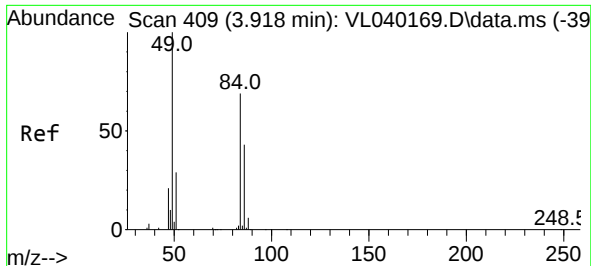
Tgt Ion: 43 Resp: 2366348
Ion Ratio Lower Upper
43 100
58 28.6 22.4 33.6



#19
Isopropyl Alcohol
Concen: 0.077 ppbv
RT: 3.581 min Scan# 304
Delta R.T. 0.006 min
Lab File: VL040253.D
Acq: 8 Mar 2023 14:19

Tgt Ion: 45 Resp: 4043
Ion Ratio Lower Upper
45 100
58 0.0 2.6 3.8#





#20

Methylene Chloride

Concen: 7.263 ppbv

RT: 3.922 min Scan# 41

Delta R.T. -0.013 min

Lab File: VL040253.D

Acq: 8 Mar 2023 14:19

Instrument :

MSVOA_L

ClientSampleId :

LM-3723-IADL

Tgt Ion: 84 Resp: 419463

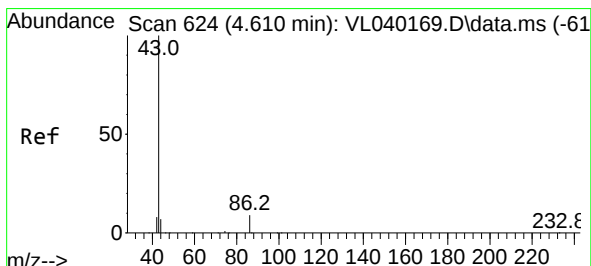
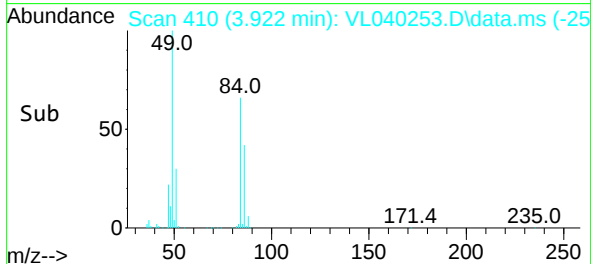
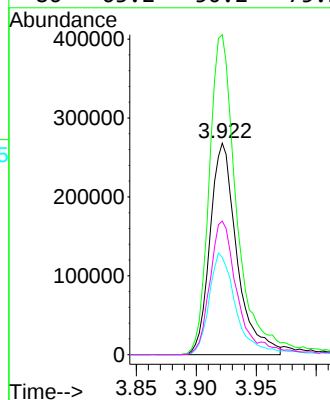
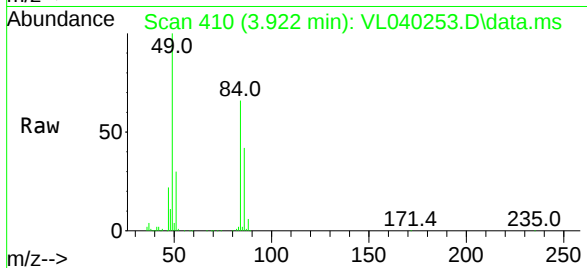
Ion Ratio Lower Upper

84 100

49 151.3 115.5 173.3

51 45.9 33.1 49.7

86 63.2 50.2 75.2



#23

Vinyl Acetate

Concen: 0.080 ppbv

RT: 4.610 min Scan# 624

Delta R.T. -0.022 min

Lab File: VL040253.D

Acq: 8 Mar 2023 14:19

Tgt Ion: 43 Resp: 2708

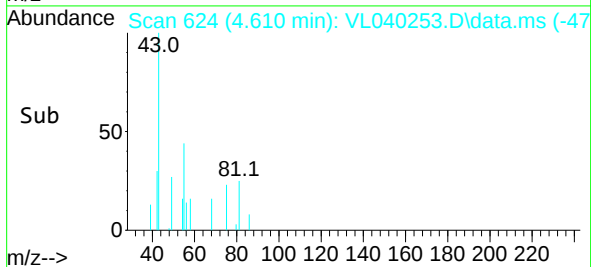
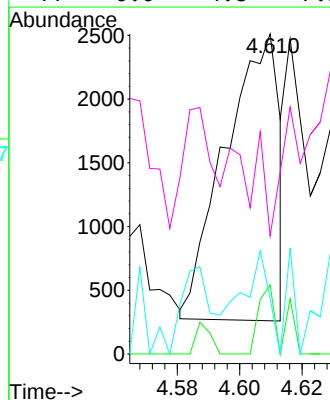
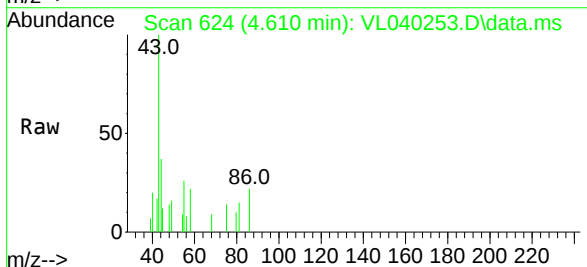
Ion Ratio Lower Upper

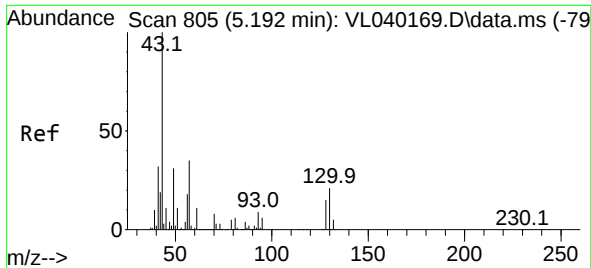
43 100

86 25.0 5.6 8.4#

42 20.3 7.6 11.4#

44 0.0 4.8 7.2#

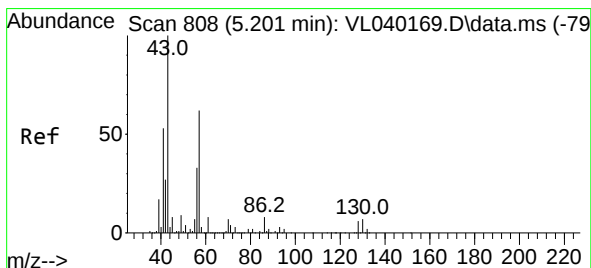
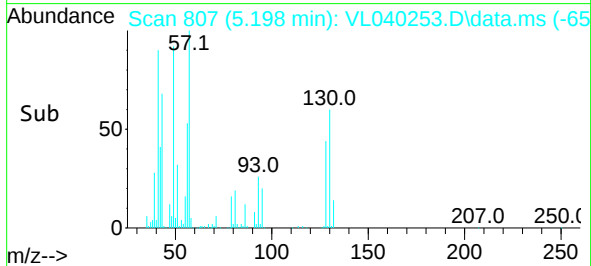
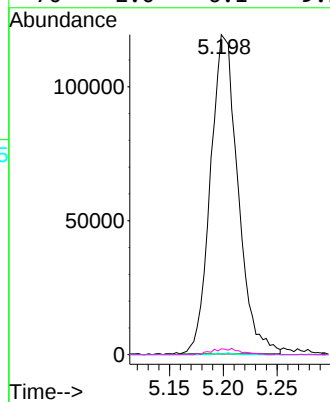
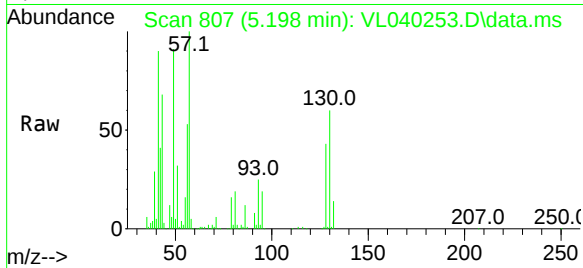




#25
Ethyl Acetate
Concen: 1.029 ppbv
RT: 5.198 min Scan# 805
Delta R.T. -0.013 min
Lab File: VL040253.D
Acq: 8 Mar 2023 14:19

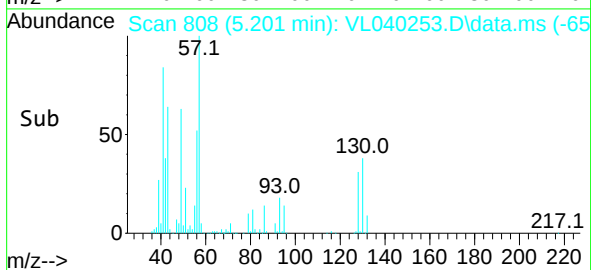
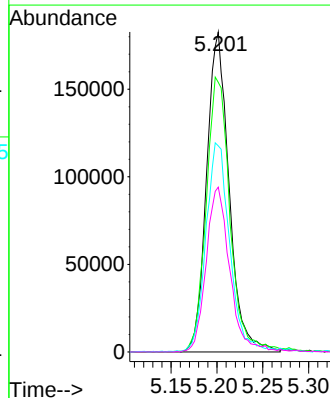
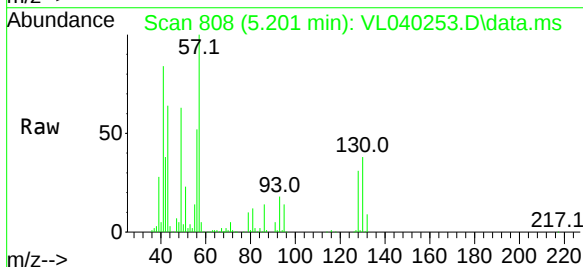
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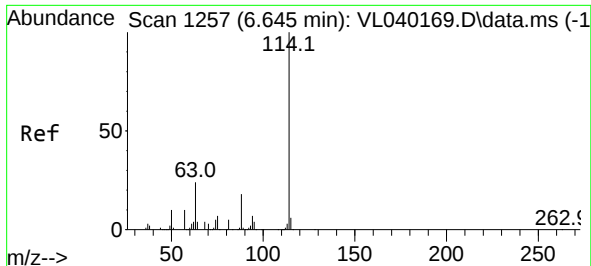
Tgt Ion: 43 Resp: 212212
Ion Ratio Lower Upper
43 100
45 0.5 8.3 12.5#
61 0.3 8.4 12.6#
70 2.0 6.1 9.1#



#26
Hexane
Concen: 3.517 ppbv
RT: 5.201 min Scan# 808
Delta R.T. -0.022 min
Lab File: VL040253.D
Acq: 8 Mar 2023 14:19

Tgt Ion: 57 Resp: 311412
Ion Ratio Lower Upper
57 100
41 92.2 74.3 111.5
43 70.1 193.0 289.4#
56 54.4 42.6 64.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.642 min Scan# 11

Delta R.T. -0.022 min

Lab File: VL040253.D

Acq: 8 Mar 2023 14:19

Instrument :

MSVOA_L

ClientSampleId :

LM-3723-IADL

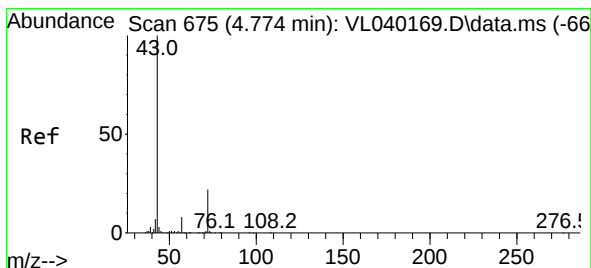
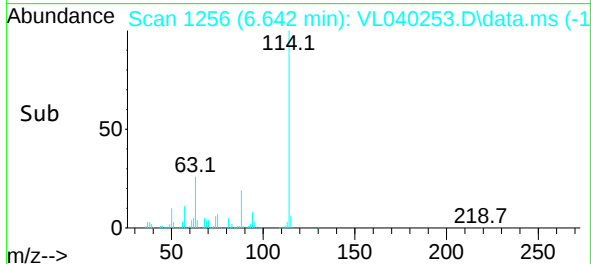
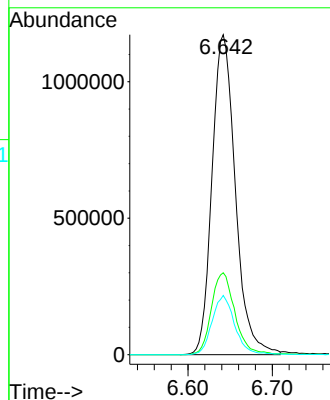
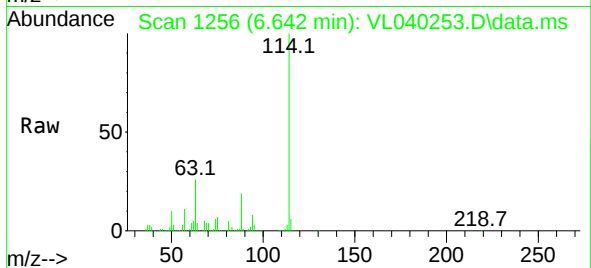
Tgt Ion:114 Resp: 2255323

Ion Ratio Lower Upper

114 100

63 26.1 20.4 30.6

88 18.1 14.3 21.5



#34

2-Butanone

Concen: 0.037 ppbv

RT: 4.790 min Scan# 680

Delta R.T. -0.003 min

Lab File: VL040253.D

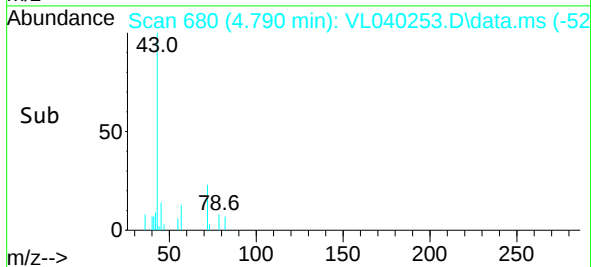
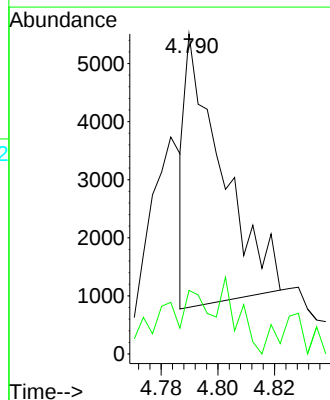
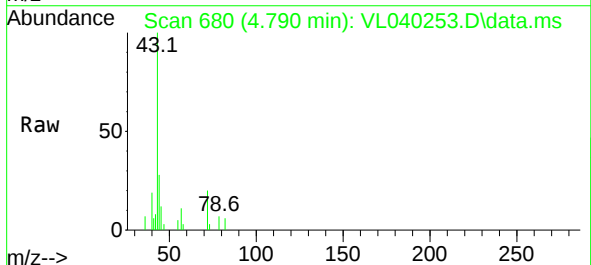
Acq: 8 Mar 2023 14:19

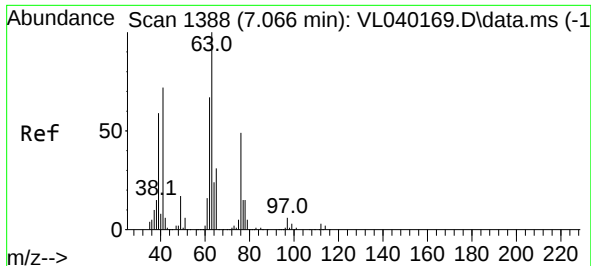
Tgt Ion: 43 Resp: 4164

Ion Ratio Lower Upper

43 100

72 58.6 17.8 26.8#





#39

1,2-Dichloropropane

Concen: 8.421 ppbv

RT: 6.642 min Scan# 1

Delta R.T. -0.444 min

Lab File: VL040253.D

Acq: 8 Mar 2023 14:19

Instrument :

MSVOA_L

ClientSampleId :

LM-3723-IADL

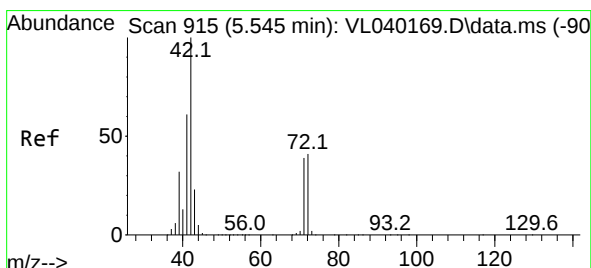
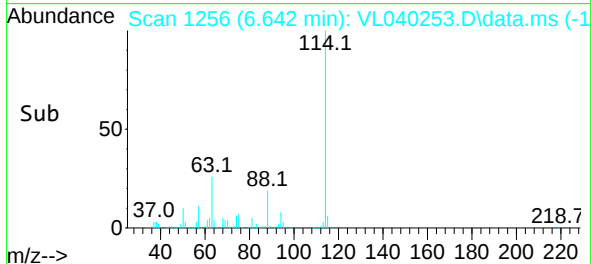
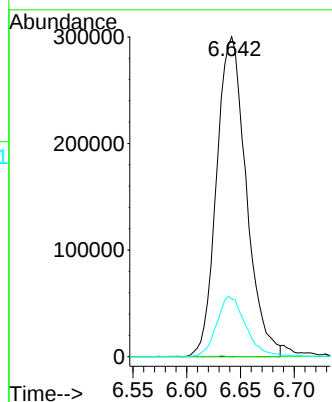
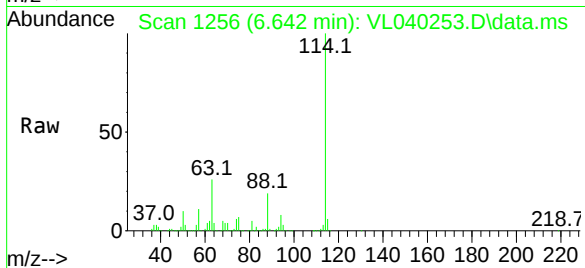
Tgt Ion: 63 Resp: 574942

Ion Ratio Lower Upper

63 100

41 0.0 57.6 86.4#

62 18.0 54.0 81.0#



#41

Tetrahydrofuran

Concen: 0.033 ppbv

RT: 5.240 min Scan# 820

Delta R.T. -0.328 min

Lab File: VL040253.D

Acq: 8 Mar 2023 14:19

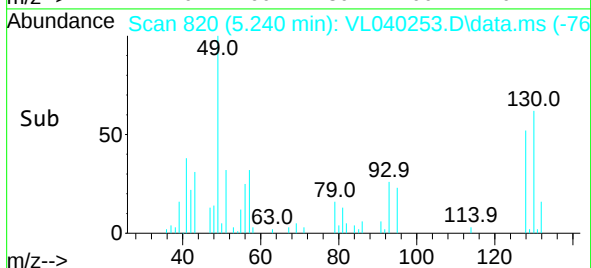
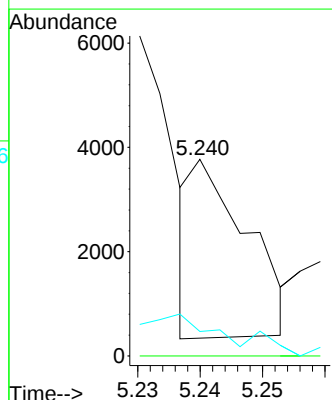
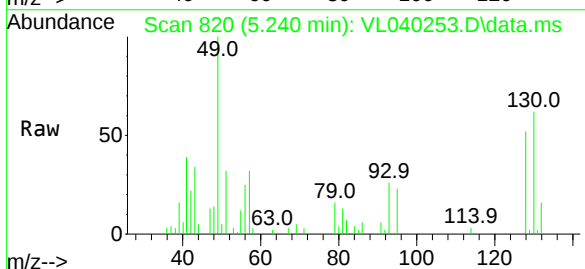
Tgt Ion: 42 Resp: 2131

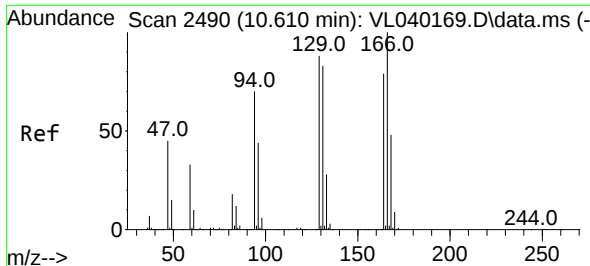
Ion Ratio Lower Upper

42 100

72 0.0 33.0 49.4#

71 0.0 31.4 47.2#

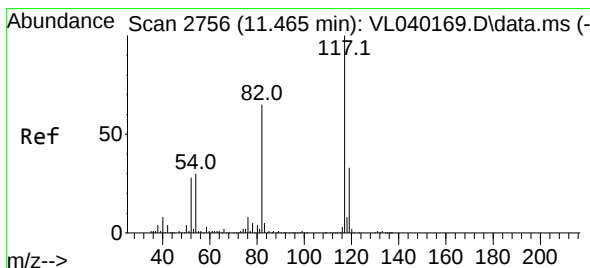
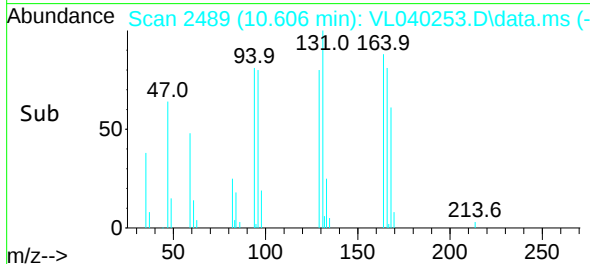
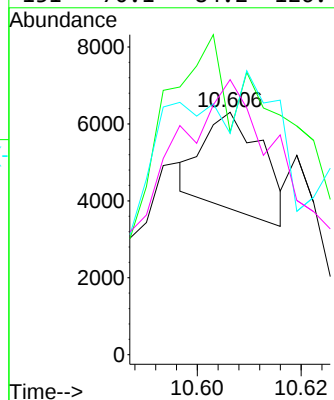
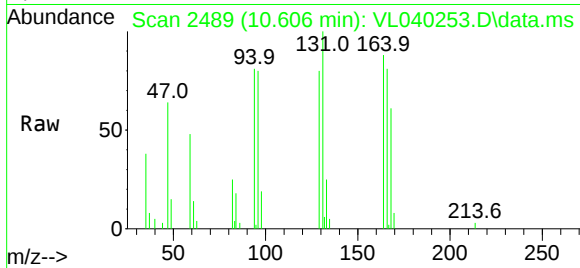




#52
Tetrachloroethene
Concen: 0.035 ppbv
RT: 10.606 min Scan# 2490
Delta R.T. -0.029 min
Lab File: VL040253.D
Acq: 8 Mar 2023 14:19

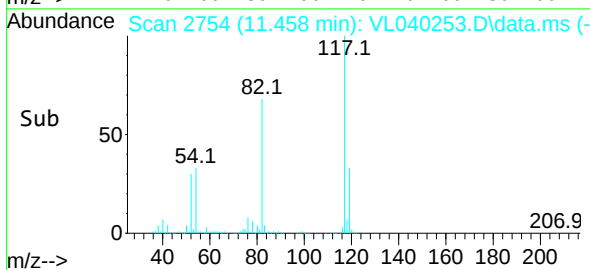
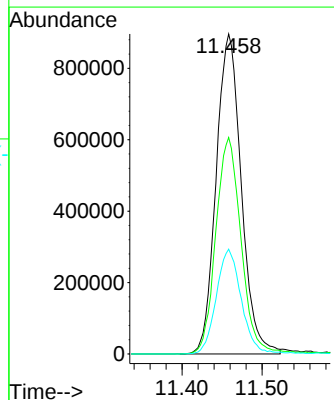
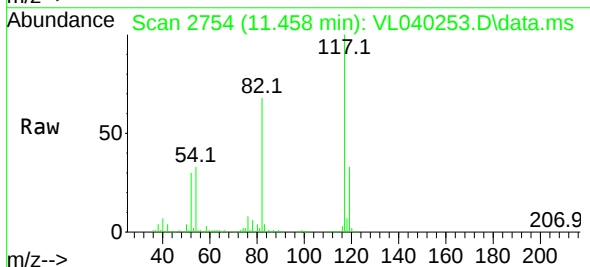
Instrument :
MSVOA_L
ClientSampleId :
LM-3723-IADL

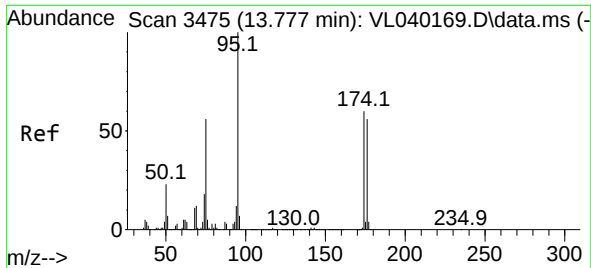
Tgt Ion:164 Resp: 1933
Ion Ratio Lower Upper
164 100
166 0.0 101.5 152.3#
129 0.0 89.0 133.4#
131 70.1 84.2 126.4#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.458 min Scan# 2754
Delta R.T. -0.029 min
Lab File: VL040253.D
Acq: 8 Mar 2023 14:19

Tgt Ion:117 Resp: 1956413
Ion Ratio Lower Upper
117 100
82 68.9 53.3 79.9
119 32.7 24.6 37.0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.706 ppbv
 RT: 13.770 min Scan# 34
 Delta R.T. -0.026 min
 Lab File: VL040253.D
 Acq: 8 Mar 2023 14:19

Instrument :
 MSVOA_L
 ClientSampleId :
 LM-3723-IADL

Tgt Ion: 95 Resp: 1561468

Ion	Ratio	Lower	Upper
95	100		
174	58.1	48.2	72.2
175	3.9	3.4	5.2

