

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121922\
 Data File : VL040034.D
 Acq On : 19 Dec 2022 18:52
 Operator : SY/MD
 Sample : N6059-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Quant Time: Dec 20 05:14:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Dec 20 04:50:21 2022
 Response via : Initial Calibration

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

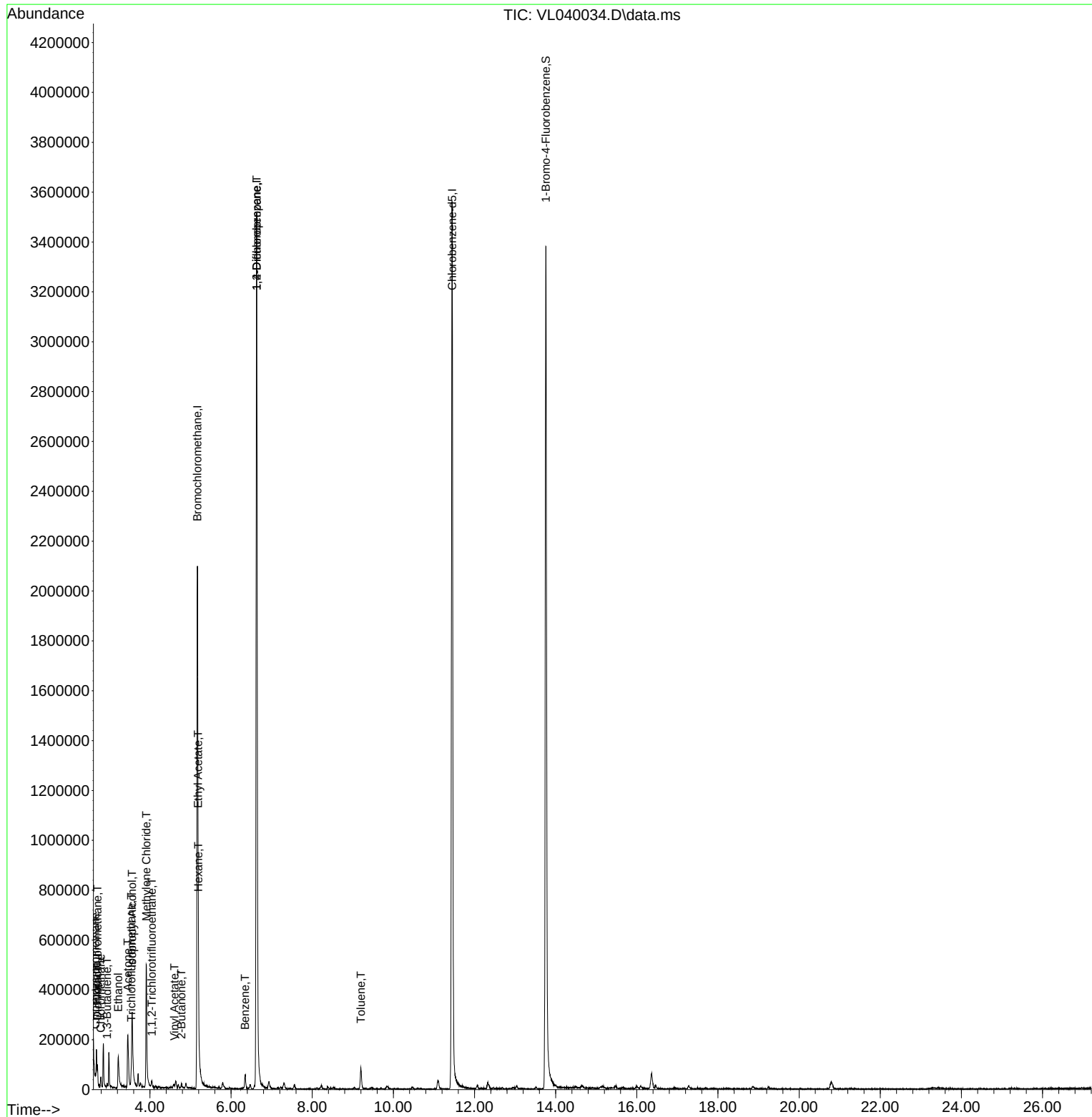
Internal Standards						
1) Bromochloromethane	5.169	49	1023738	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.632	114	2774583	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.446	117	2367747	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.757	95	1775048	9.814	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.706	85	50918	0.266	ppbv	95
3) Chlorodifluoromethane	2.655	51	40260	0.267	ppbv #	90
4) Chloromethane	2.790	50	32942	0.348	ppbv	91
9) Propene	2.681	41	30464	0.475	ppbv #	80
11) Trichlorofluoromethane	3.539	101	35424	0.170	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.044	101	6001	0.038	ppbv #	15
13) Ethanol	3.221	45	151368	25.090	ppbv	96
15) Acetone	3.452	43	219427	1.386	ppbv	95
16) 1,3-Butadiene	2.941	39	3115	0.045	ppbv	85
19) Isopropyl Alcohol	3.562	45	346808	4.444	ppbv #	97
20) Methylene Chloride	3.912	84	169063	2.511	ppbv	98
23) Vinyl Acetate	4.607	43	4543	0.090	ppbv #	87
25) Ethyl Acetate	5.189	43	83043	0.303	ppbv #	84
26) Hexane	5.195	57	105992	0.920	ppbv #	42
34) 2-Butanone	4.777	43	11921	0.079	ppbv #	69
36) Benzene	6.346	78	40053	0.162	ppbv	96
39) 1,2-Dichloropropane	6.632	63	664672	7.156	ppbv #	23
53) Toluene	9.198	91	61836	0.225	ppbv	96

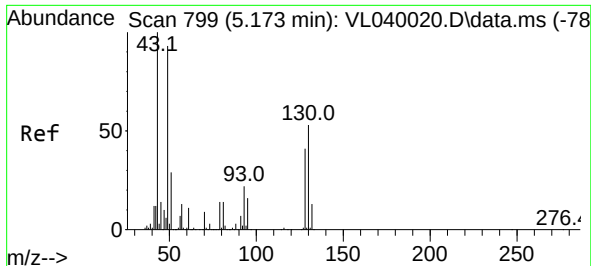
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VL040034.D
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OA1

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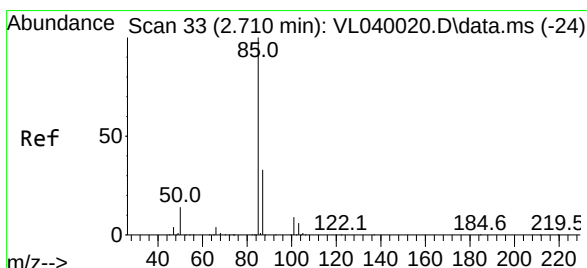
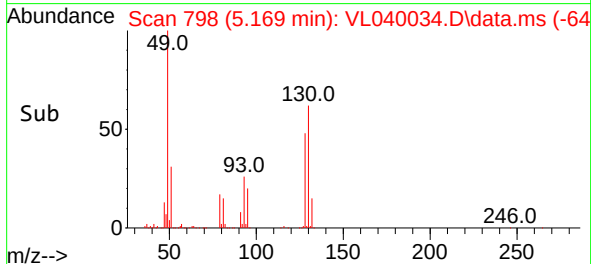
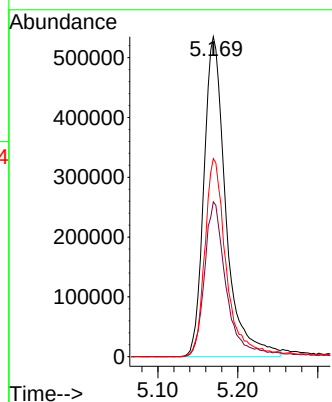
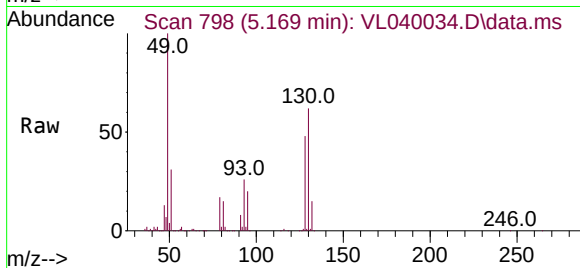




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.169 min Scan# 799
 Delta R.T. -0.004 min
 Lab File: VL040034.D
 Acq: 19 Dec 2022 18:52

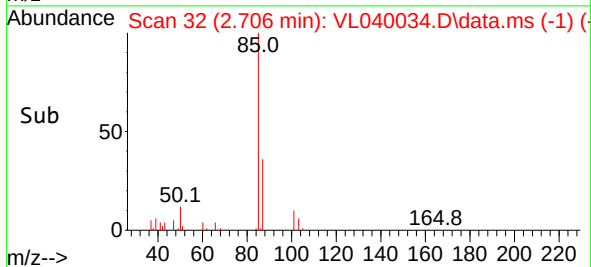
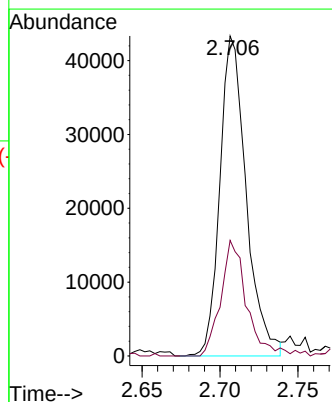
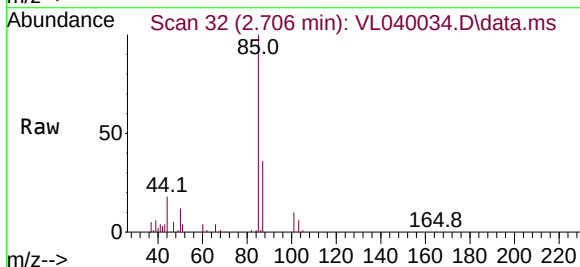
Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

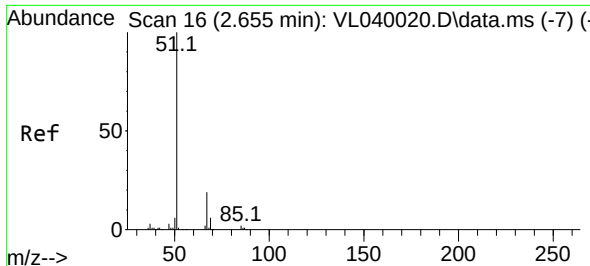
Tgt Ion: 49 Resp: 1023738
 Ion Ratio Lower Upper
 49 100
 128 49.2 22.4 67.3
 130 62.5 28.9 86.8



#2
 Dichlorodifluoromethane
 Concen: 0.266 ppbv
 RT: 2.706 min Scan# 32
 Delta R.T. -0.003 min
 Lab File: VL040034.D
 Acq: 19 Dec 2022 18:52

Tgt Ion: 85 Resp: 50918
 Ion Ratio Lower Upper
 85 100
 87 36.1 26.6 40.0

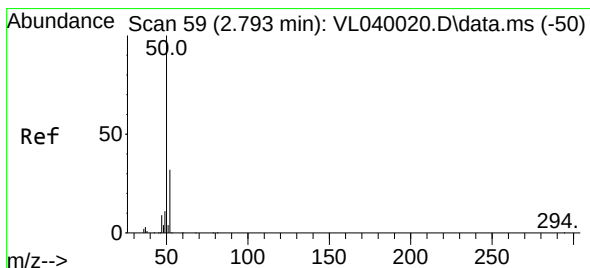
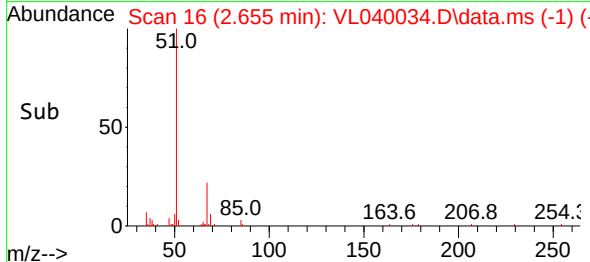
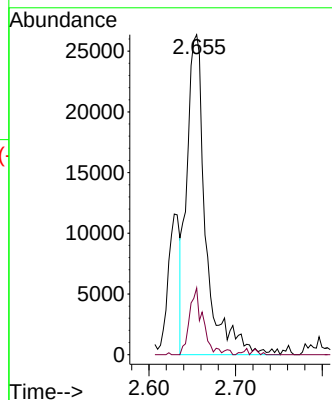
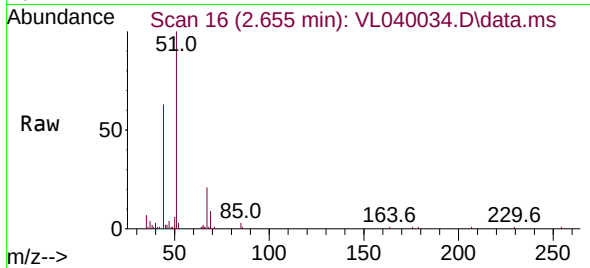




#3
Chlorodifluoromethane
Concen: 0.267 ppbv
RT: 2.655 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL040034.D
Acq: 19 Dec 2022 18:52

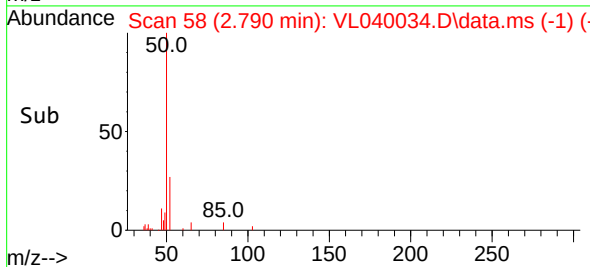
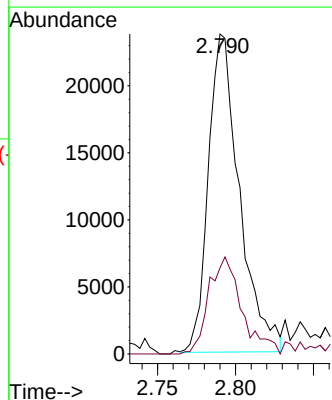
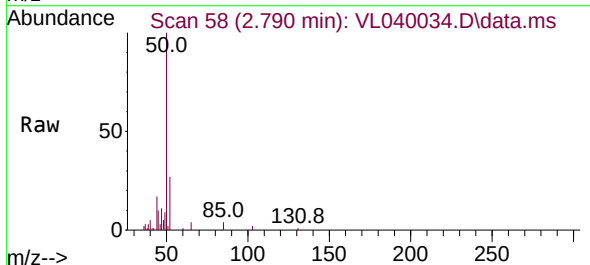
Instrument :
MSVOA_L
ClientSampleId :
OA1

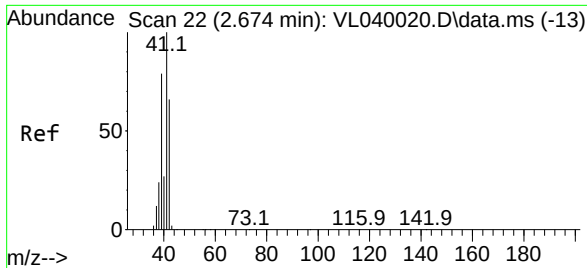
Tgt Ion: 51 Resp: 40260
Ion Ratio Lower Upper
51 100
67 14.6 15.3 22.9#



#4
Chloromethane
Concen: 0.348 ppbv
RT: 2.790 min Scan# 58
Delta R.T. -0.003 min
Lab File: VL040034.D
Acq: 19 Dec 2022 18:52

Tgt Ion: 50 Resp: 32942
Ion Ratio Lower Upper
50 100
52 27.1 25.5 38.3

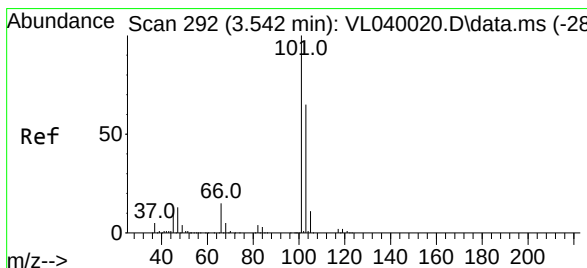
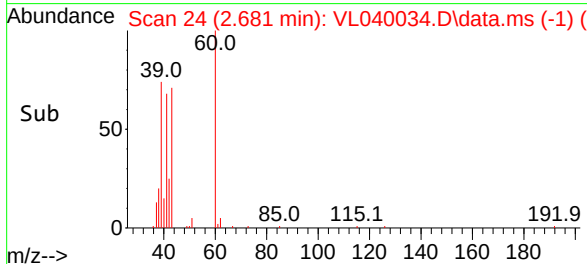
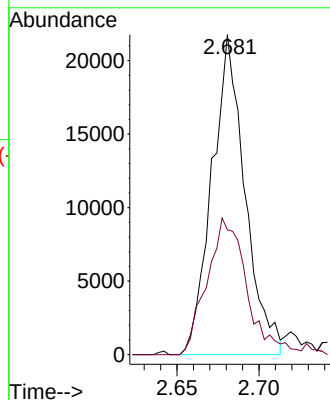
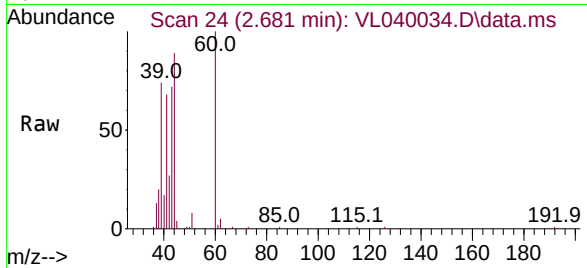




#9
 Propene
 Concen: 0.475 ppbv
 RT: 2.681 min Scan# 24
 Delta R.T. 0.006 min
 Lab File: VL040034.D
 Acq: 19 Dec 2022 18:52

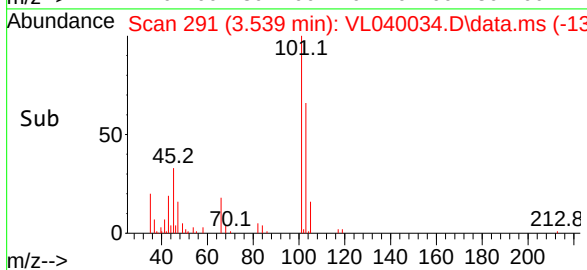
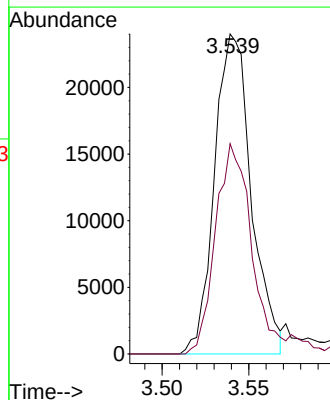
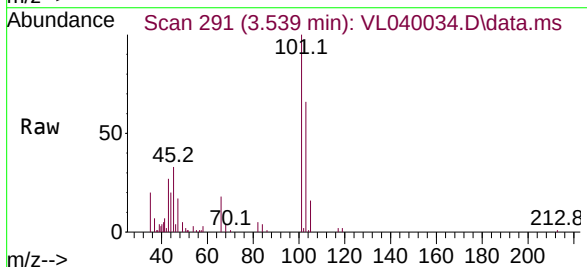
Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

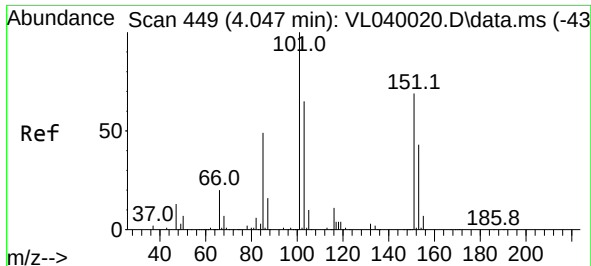
Tgt Ion: 41 Resp: 30464
 Ion Ratio Lower Upper
 41 100
 42 52.2 54.8 82.2#



#11
 Trichlorofluoromethane
 Concen: 0.170 ppbv
 RT: 3.539 min Scan# 291
 Delta R.T. -0.003 min
 Lab File: VL040034.D
 Acq: 19 Dec 2022 18:52

Tgt Ion: 101 Resp: 35424
 Ion Ratio Lower Upper
 101 100
 103 65.7 51.7 77.5





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.038 ppbv

RT: 4.044 min Scan# 449

Delta R.T. -0.003 min

Lab File: VL040034.D

Acq: 19 Dec 2022 18:52

Instrument :

MSVOA_1

ClientSampleId :

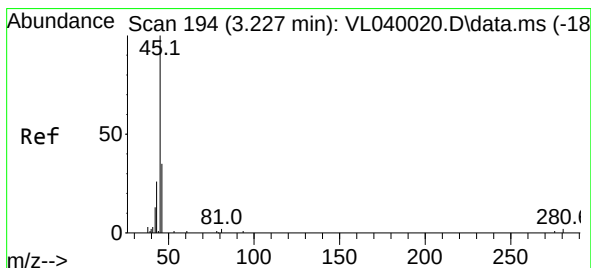
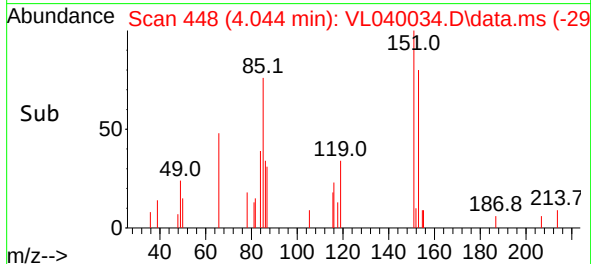
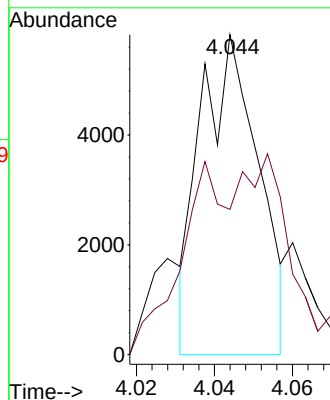
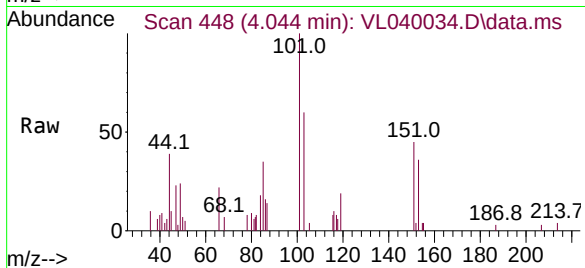
OA1

Tgt Ion:101 Resp: 6001

Ion Ratio Lower Upper

101 100

151 0.0 55.0 82.4#



#13

Ethanol

Concen: 25.090 ppbv

RT: 3.221 min Scan# 192

Delta R.T. -0.006 min

Lab File: VL040034.D

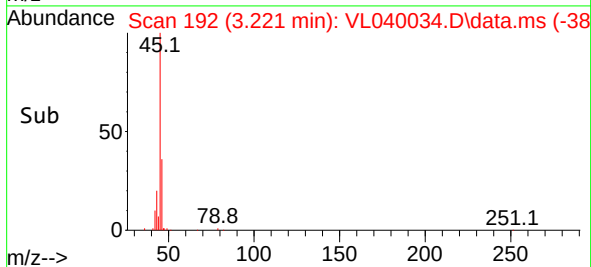
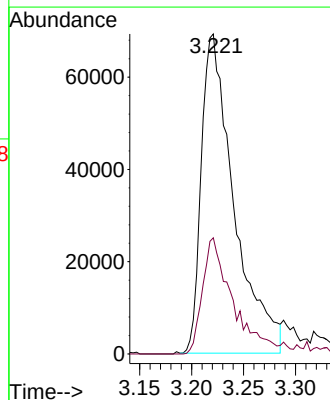
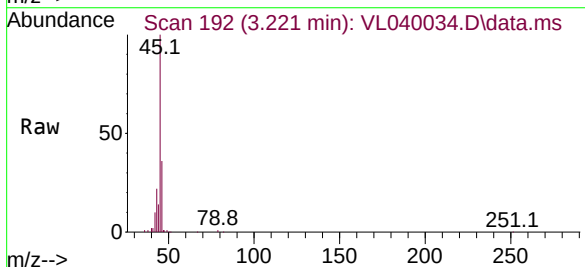
Acq: 19 Dec 2022 18:52

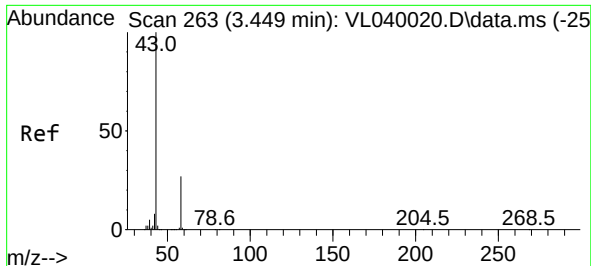
Tgt Ion: 45 Resp: 151368

Ion Ratio Lower Upper

45 100

46 36.7 13.7 54.7





#15

Acetone

Concen: 1.386 ppbv

RT: 3.452 min Scan# 2

Delta R.T. 0.003 min

Lab File: VL040034.D

Acq: 19 Dec 2022 18:52

Instrument :

MSVOA_L

ClientSampleId :

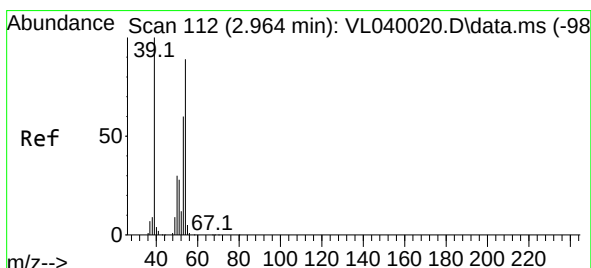
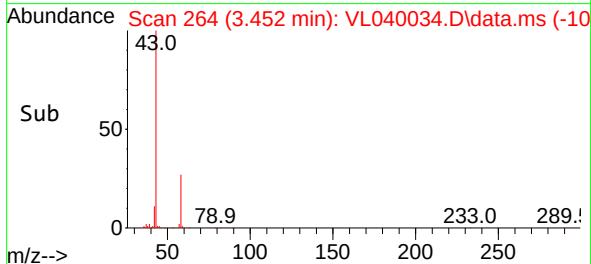
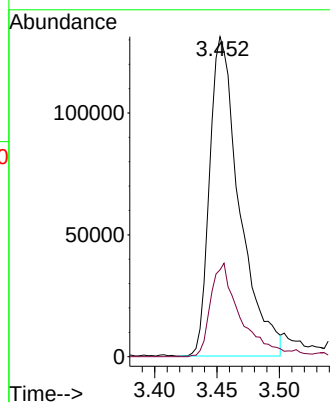
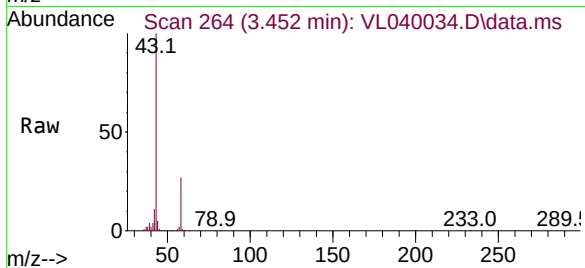
OA1

Tgt Ion: 43 Resp: 219427

Ion Ratio Lower Upper

43 100

58 29.8 21.8 32.8



#16

1,3-Butadiene

Concen: 0.045 ppbv

RT: 2.941 min Scan# 105

Delta R.T. -0.022 min

Lab File: VL040034.D

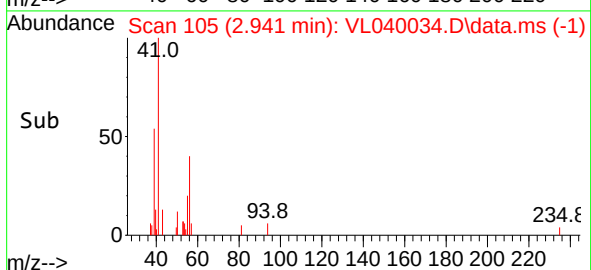
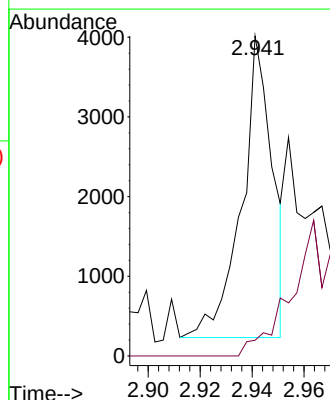
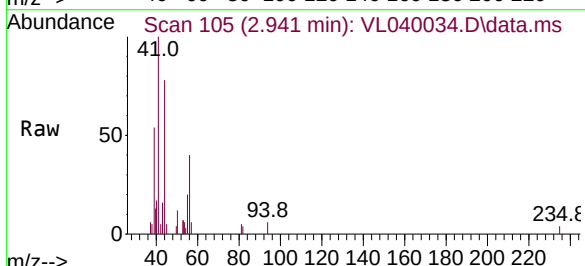
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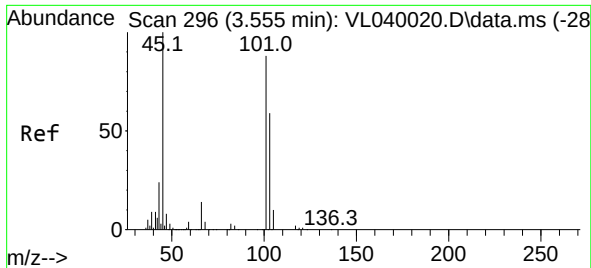
Tgt Ion: 39 Resp: 3115

Ion Ratio Lower Upper

39 100

54 71.8 68.3 102.5





#19

Isopropyl Alcohol

Concen: 4.444 ppbv

RT: 3.562 min Scan# 29

Delta R.T. 0.006 min

Lab File: VL040034.D

Acq: 19 Dec 2022 18:52

Instrument :

MSVOA_1

ClientSampleId :

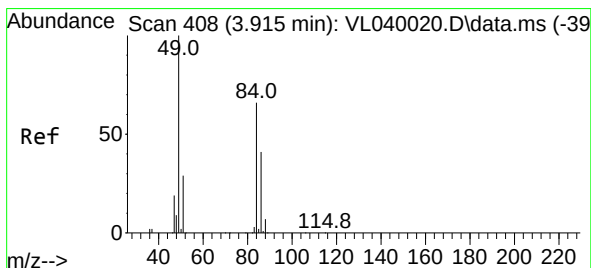
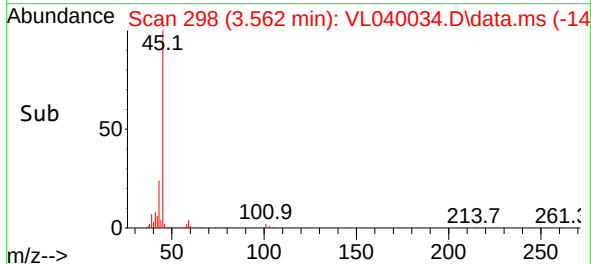
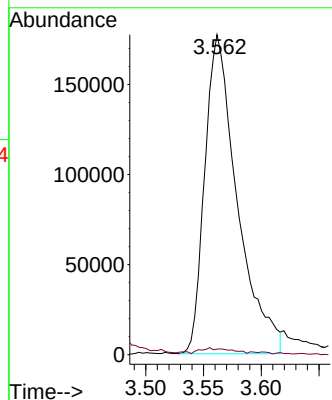
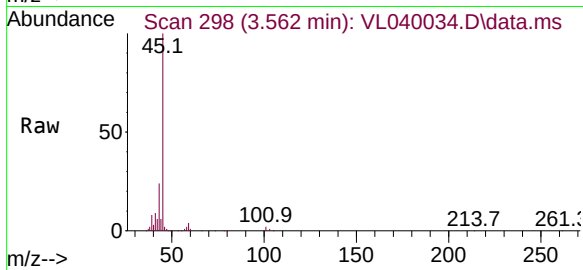
OA1

Tgt Ion: 45 Resp: 346808

Ion Ratio Lower Upper

45 100

58 3.3 1.7 2.5#



#20

Methylene Chloride

Concen: 2.511 ppbv

RT: 3.912 min Scan# 407

Delta R.T. -0.003 min

Lab File: VL040034.D

Acq: 19 Dec 2022 18:52

Tgt Ion: 84 Resp: 169063

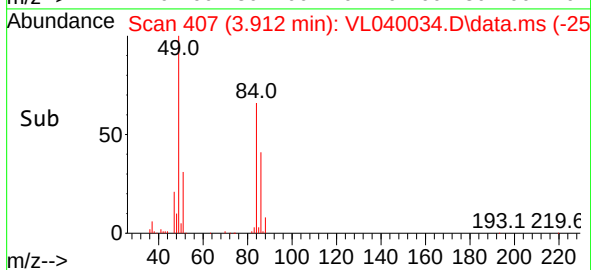
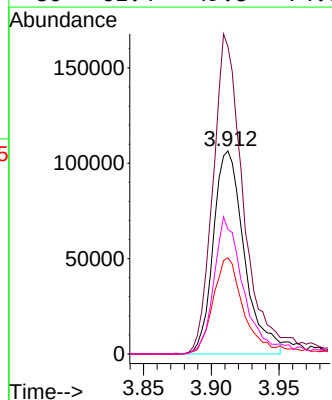
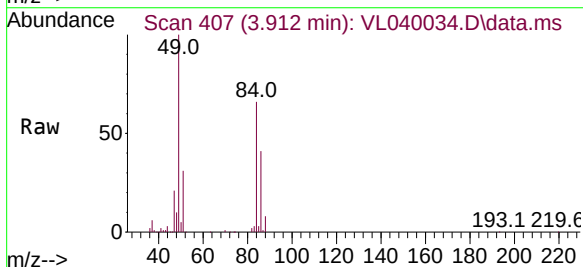
Ion Ratio Lower Upper

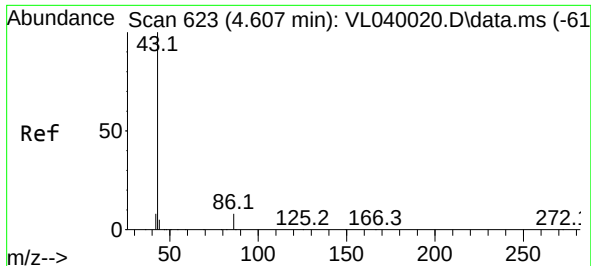
84 100

49 151.5 120.5 180.7

51 47.2 35.2 52.8

86 61.4 49.8 74.6

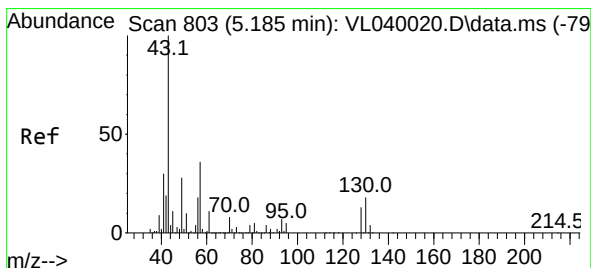
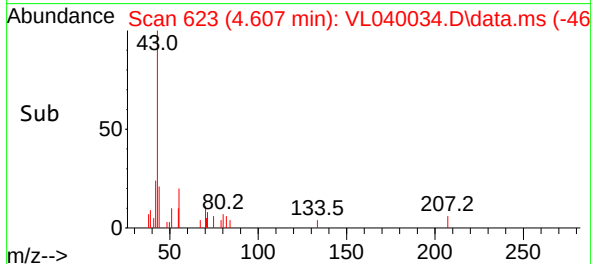
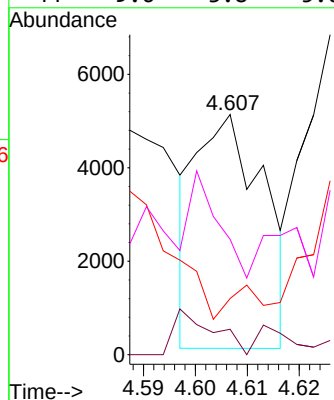
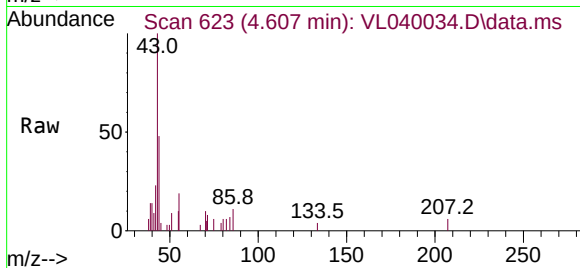




#23
 Vinyl Acetate
 Concen: 0.090 ppbv
 RT: 4.607 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL040034.D
 Acq: 19 Dec 2022 18:52

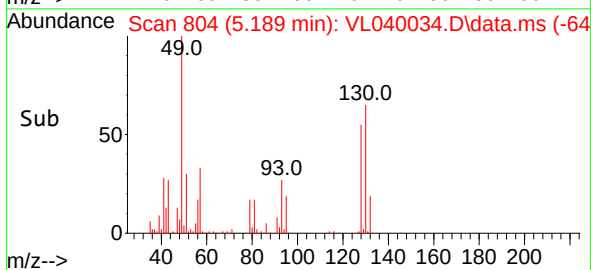
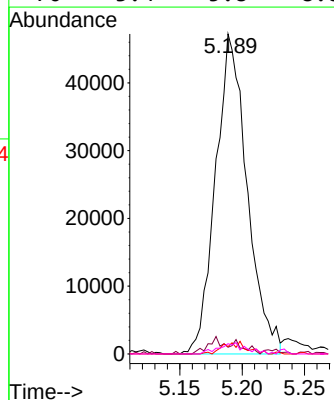
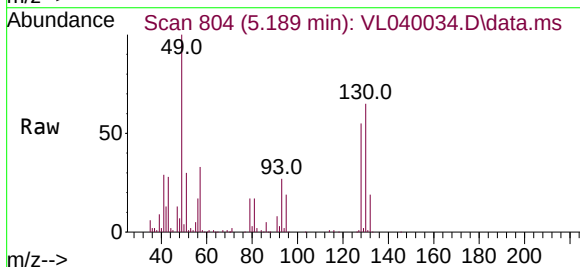
Instrument :
 MSVOA_1
 ClientSampleId :
 OA1

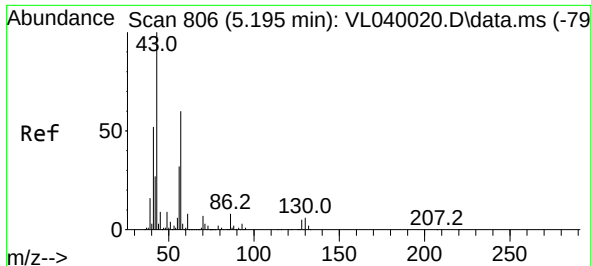
Tgt Ion: 43	Resp:	4543	
Ion	Ratio	Lower	Upper
43	100		
86	3.5	5.3	7.9#
42	3.5	7.4	11.0#
44	9.6	3.8	5.6#



#25
 Ethyl Acetate
 Concen: 0.303 ppbv
 RT: 5.189 min Scan# 804
 Delta R.T. 0.003 min
 Lab File: VL040034.D
 Acq: 19 Dec 2022 18:52

Tgt	Ion: 43	Resp:	83043
Ion	Ratio	Lower	Upper
43	100		
45	5.0	8.6	12.8#
61	3.0	8.5	12.7#
70	3.4	5.8	8.8#

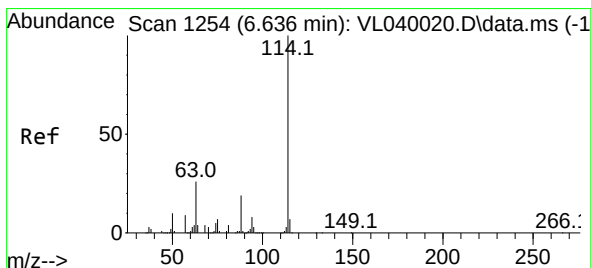
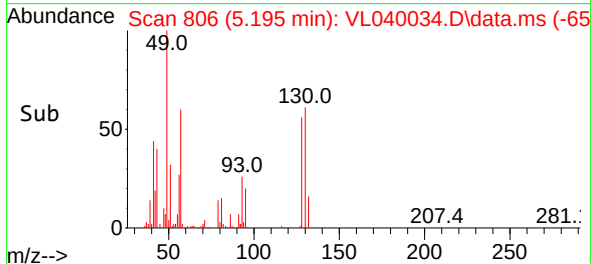
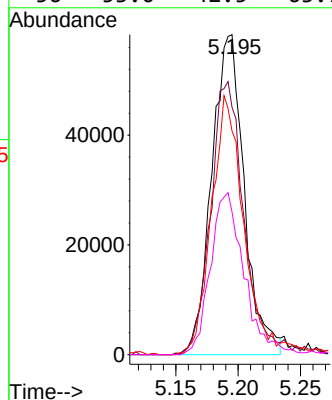
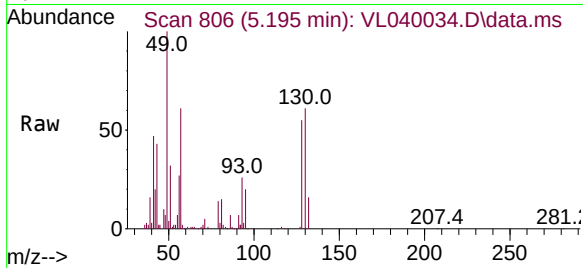




#26
Hexane
Concen: 0.920 ppbv
RT: 5.195 min Scan# 806
Delta R.T. 0.000 min
Lab File: VL040034.D
Acq: 19 Dec 2022 18:52

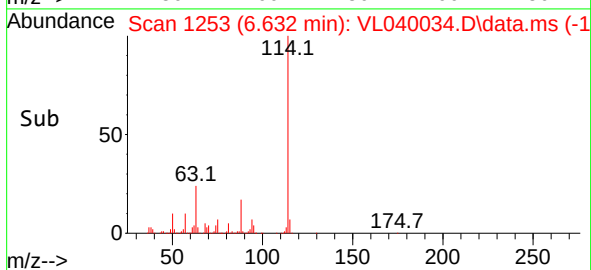
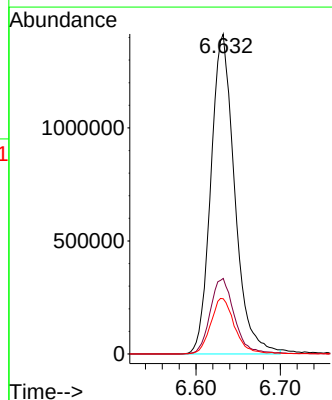
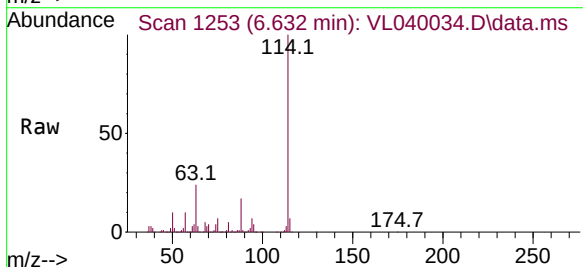
Instrument :
MSVOA_1
ClientSampleId :
OA1

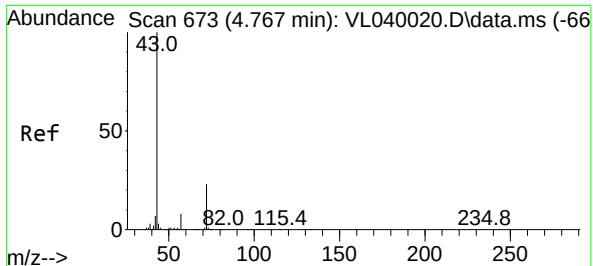
Tgt Ion: 57 Resp: 105992
Ion Ratio Lower Upper
57 100
41 89.4 72.1 108.1
43 82.0 192.1 288.1#
56 53.0 42.5 63.7



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.632 min Scan# 1253
Delta R.T. -0.003 min
Lab File: VL040034.D
Acq: 19 Dec 2022 18:52

Tgt Ion: 114 Resp: 2774583
Ion Ratio Lower Upper
114 100
63 24.4 20.2 30.2
88 17.7 14.6 21.8





#34

2-Butanone

Concen: 0.079 ppbv

RT: 4.777 min Scan# 61

Delta R.T. 0.010 min

Lab File: VL040034.D

Acq: 19 Dec 2022 18:52

Instrument :

MSVOA_L

ClientSampleId :

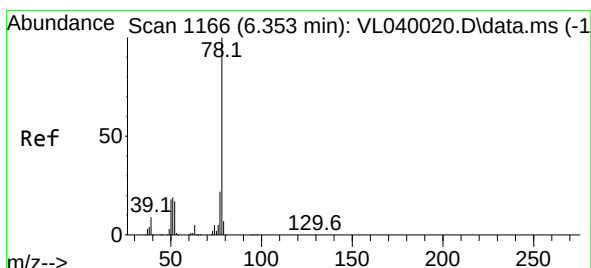
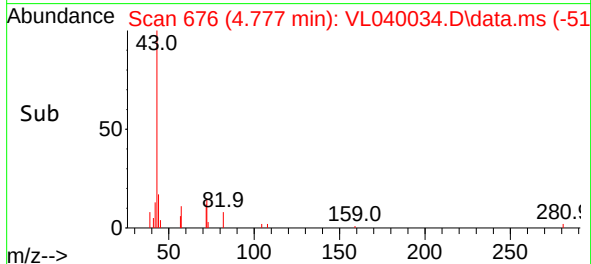
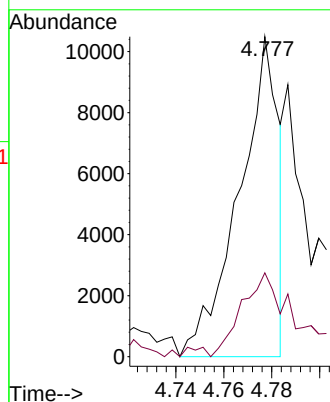
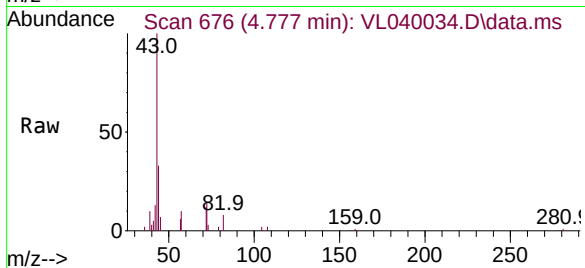
OA1

Tgt Ion: 43 Resp: 11921

Ion Ratio Lower Upper

43 100

72 37.5 18.0 27.0#



#36

Benzene

Concen: 0.162 ppbv

RT: 6.346 min Scan# 1164

Delta R.T. -0.006 min

Lab File: VL040034.D

Acq: 19 Dec 2022 18:52

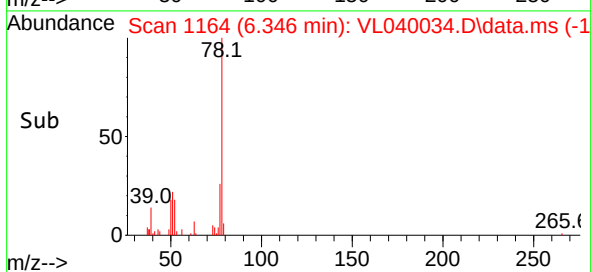
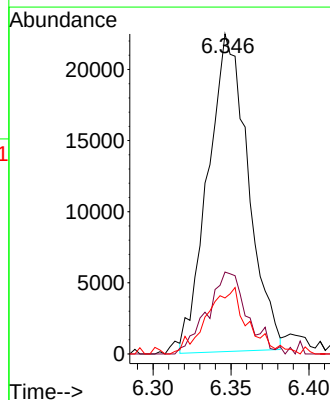
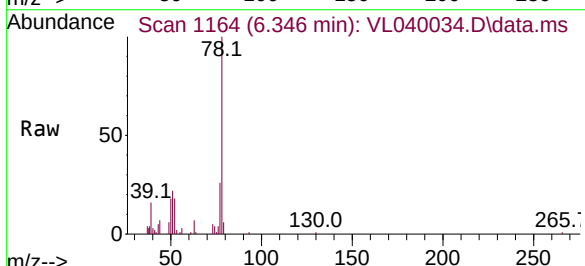
Tgt Ion: 78 Resp: 40053

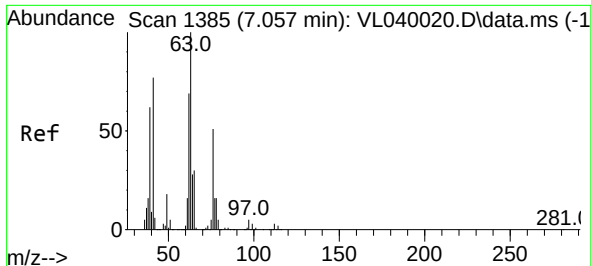
Ion Ratio Lower Upper

78 100

77 24.6 17.5 26.3

50 16.8 14.2 21.2





#39

1,2-Dichloropropane

Concen: 7.156 ppbv

RT: 6.632 min Scan# 1253

Delta R.T. -0.424 min

Lab File: VL040034.D

Acq: 19 Dec 2022 18:52

Instrument :

MSVOA_L

ClientSampleId :

OA1

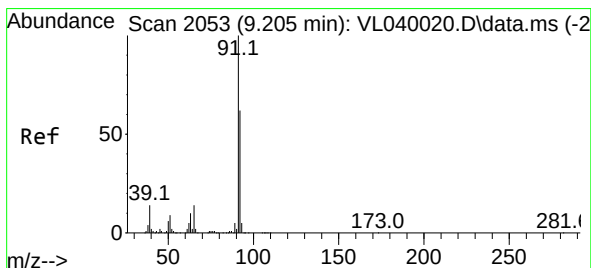
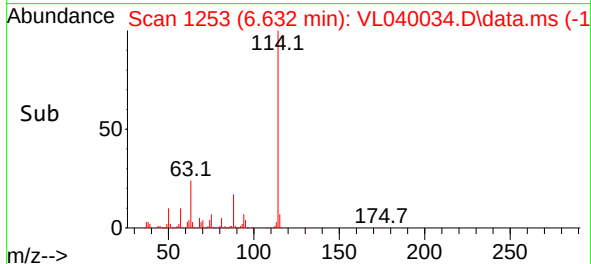
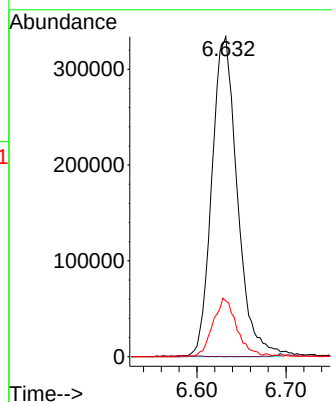
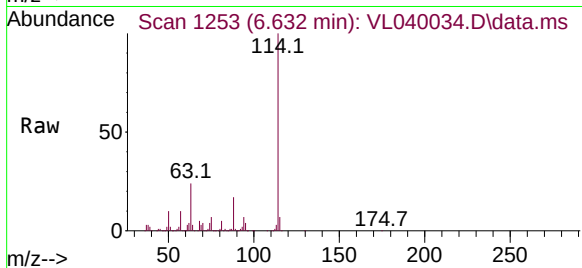
Tgt Ion: 63 Resp: 664672

Ion Ratio Lower Upper

63 100

41 0.0 61.4 92.0#

62 17.4 55.4 83.2#



#53

Toluene

Concen: 0.225 ppbv

RT: 9.198 min Scan# 2051

Delta R.T. -0.006 min

Lab File: VL040034.D

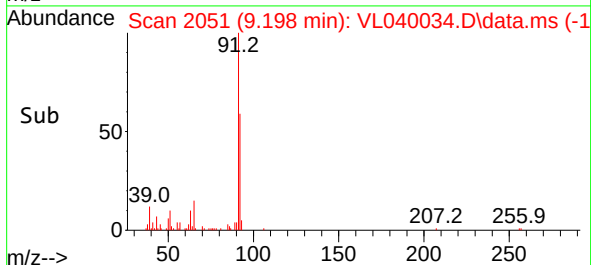
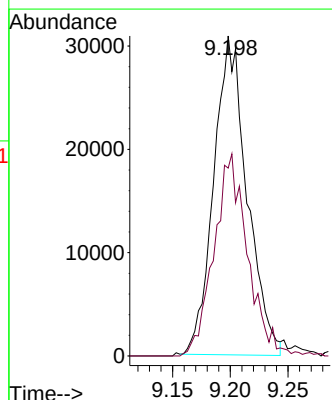
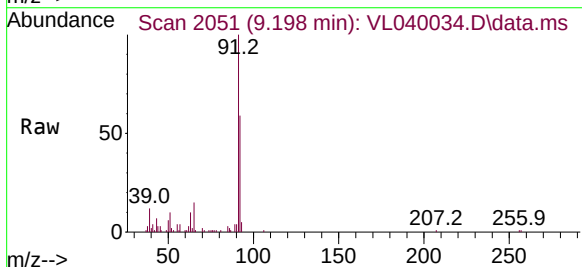
Acq: 19 Dec 2022 18:52

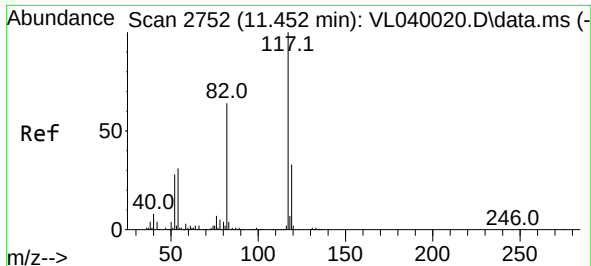
Tgt Ion: 91 Resp: 61836

Ion Ratio Lower Upper

91 100

92 64.3 48.7 73.1

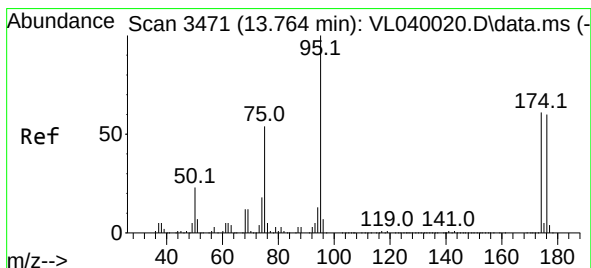
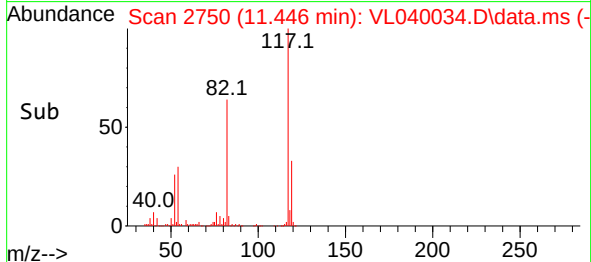
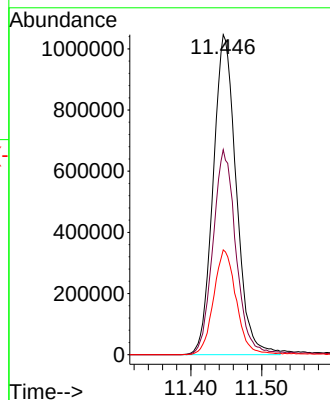
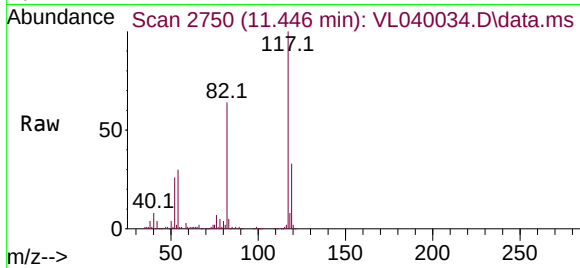




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.446 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL040034.D
Acq: 19 Dec 2022 18:52

Instrument :
MSVOA_1
ClientSampleId :
OA1

Tgt Ion:117 Resp: 2367747
Ion Ratio Lower Upper
117 100
82 64.9 51.2 76.8
119 32.7 23.2 34.8



#68
1-Bromo-4-Fluorobenzene
Concen: 9.814 ppbv
RT: 13.757 min Scan# 3469
Delta R.T. -0.006 min
Lab File: VL040034.D
Acq: 19 Dec 2022 18:52

Tgt Ion: 95 Resp: 1775048
Ion Ratio Lower Upper
95 100
174 63.8 48.6 73.0
175 4.4 3.4 5.2

