

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062223\
 Data File : VL040491.D
 Acq On : 22 Jun 2023 18:44
 Operator : SY/MD
 Sample : 03300-05DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AO-1DL

Quant Time: Jun 23 01:31:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Jun 06 06:22:12 2023
 Response via : Initial Calibration

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

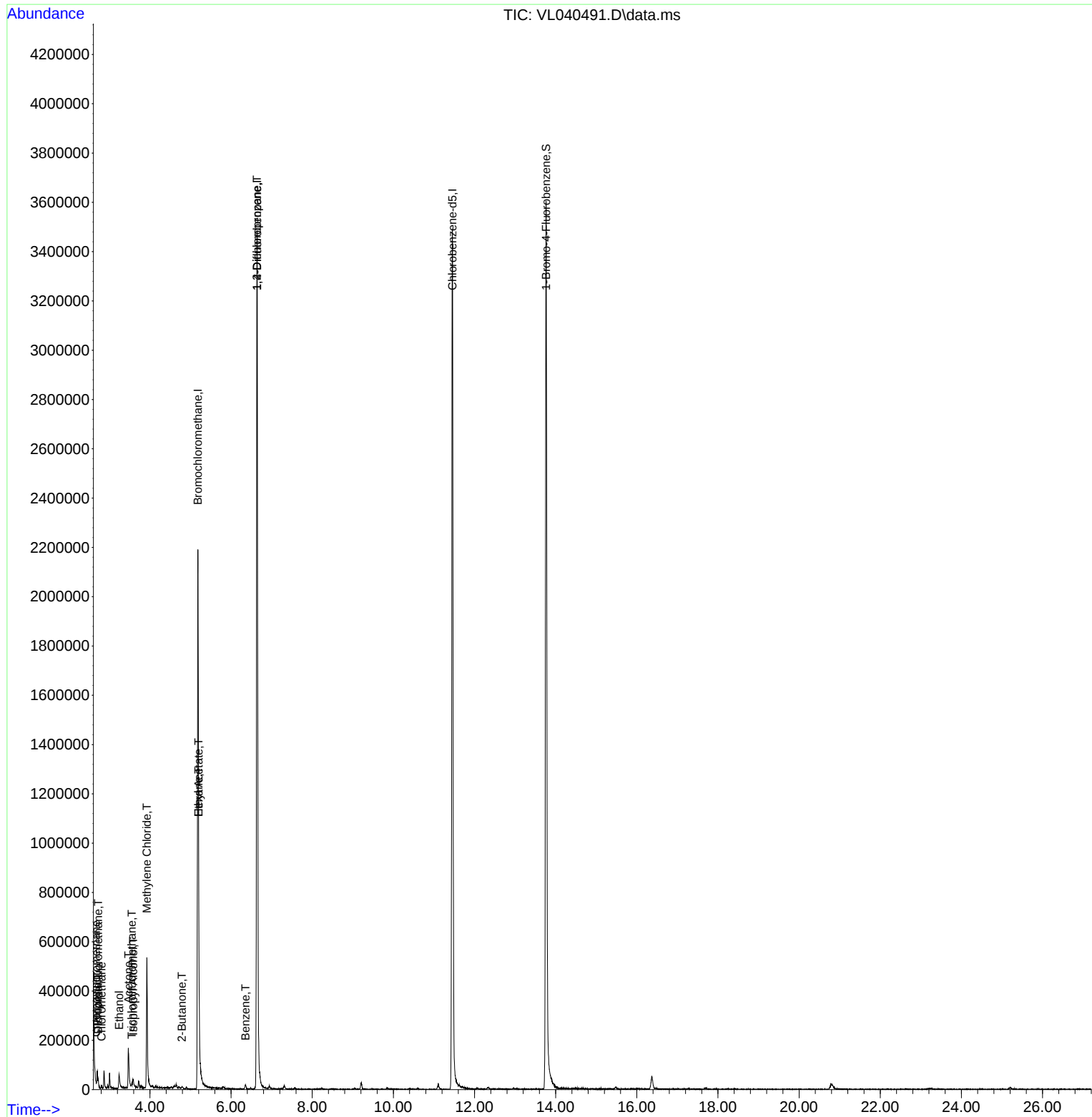
Internal Standards						
1) Bromochloromethane	5.182	49	1000001	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	2517992	10.000	ppbv	-0.01
55) Chlorobenzene-d5	11.452	117	2139489	10.000	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	1787435	10.122	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	= 101.200%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.726	85	20762	0.095	ppbv	96
3) Chlorodifluoromethane	2.671	51	22065	0.135	ppbv #	82
4) Chloromethane	2.809	50	8041	0.127	ppbv	91
9) Propene	2.703	41	14422	0.286	ppbv	94
11) Trichlorofluoromethane	3.552	101	8561	0.048	ppbv	100
13) Ethanol	3.240	45	60077	5.744	ppbv	97
15) Acetone	3.468	43	175341	1.454	ppbv	97
19) Isopropyl Alcohol	3.587	45	9870	0.170	ppbv #	13
20) Methylene Chloride	3.925	84	170252	3.307	ppbv	96
25) Ethyl Acetate	5.201	43	71123	0.325	ppbv #	81
26) Hexane	5.201	57	94844	0.916	ppbv #	42
34) 2-Butanone	4.790	43	8613	0.071	ppbv #	88
36) Benzene	6.356	78	8209	0.041	ppbv #	85
39) 1,2-Dichloropropane	6.639	63	642495	8.321	ppbv #	23

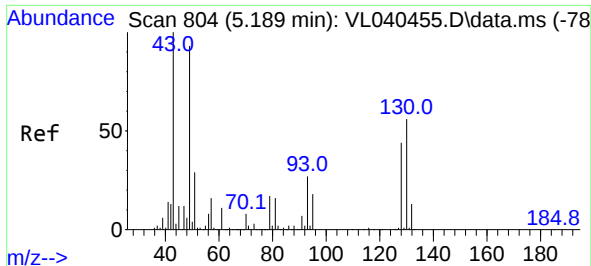
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jun 06 06:22:12 2023
Response via : Initial Calibration

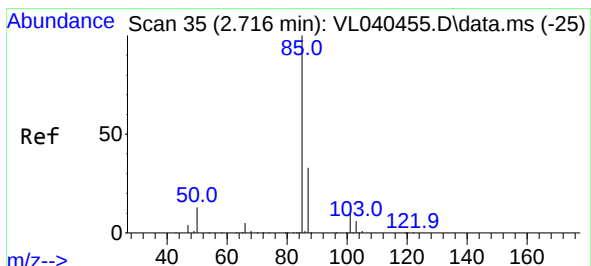
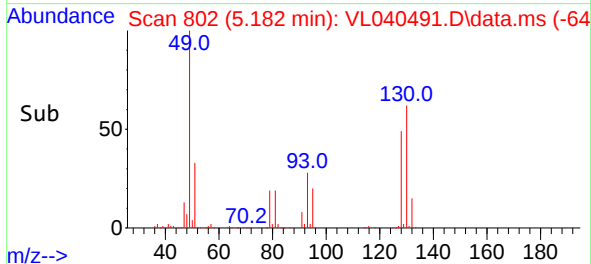
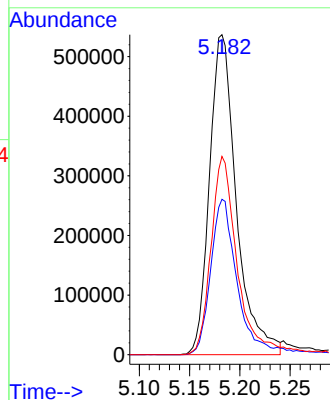
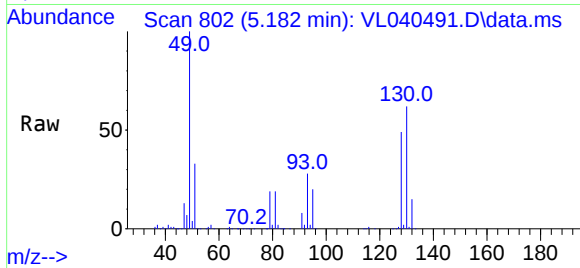




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. -0.007 min
Lab File: VL040491.D
Acq: 22 Jun 2023 18:44

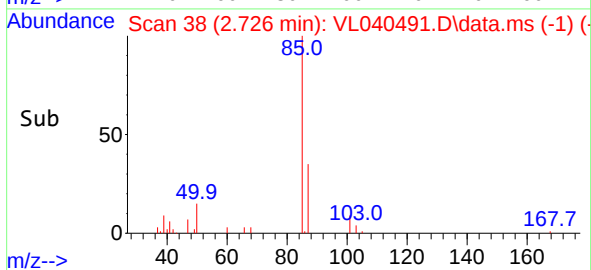
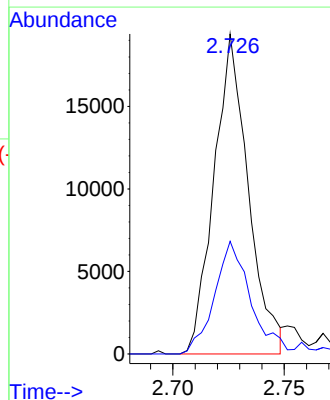
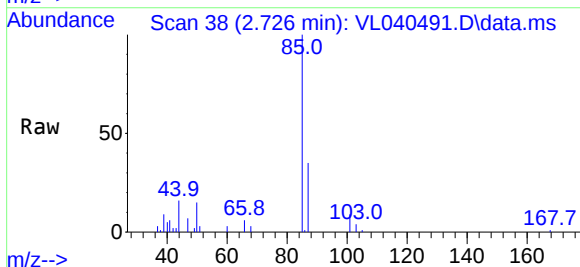
Instrument :
MSVOA_L
ClientSampleId :
AO-1DL

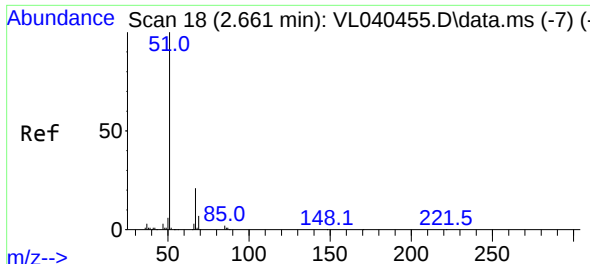
Tgt Ion: 49 Resp: 1000001
Ion Ratio Lower Upper
49 100
128 49.4 24.7 74.1
130 62.1 31.4 94.2



#2
Dichlorodifluoromethane
Concen: 0.095 ppbv
RT: 2.726 min Scan# 38
Delta R.T. 0.010 min
Lab File: VL040491.D
Acq: 22 Jun 2023 18:44

Tgt Ion: 85 Resp: 20762
Ion Ratio Lower Upper
85 100
87 35.2 26.6 39.8

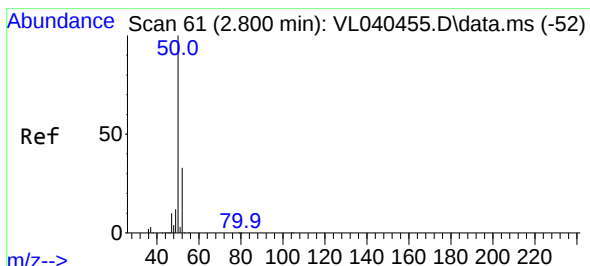
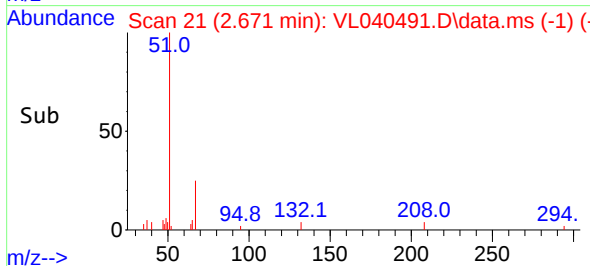
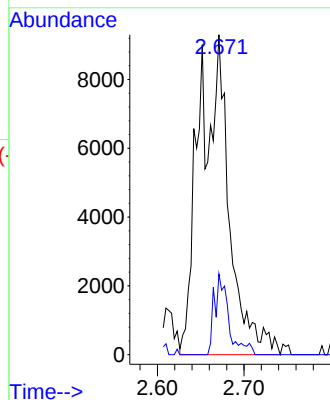
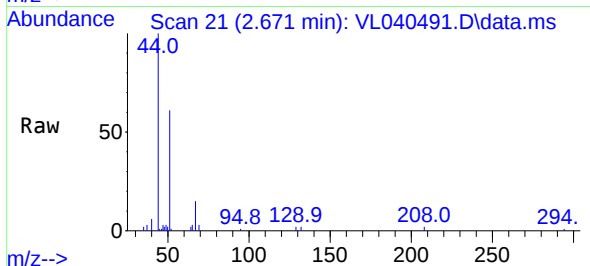




#3
Chlorodifluoromethane
Concen: 0.135 ppbv
RT: 2.671 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL040491.D
Acq: 22 Jun 2023 18:44

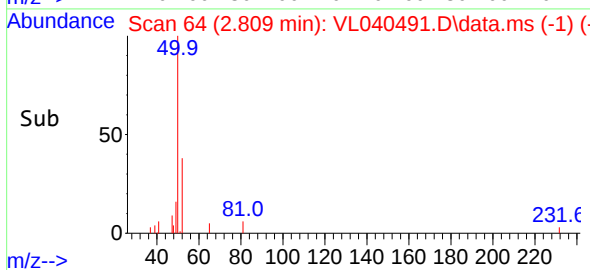
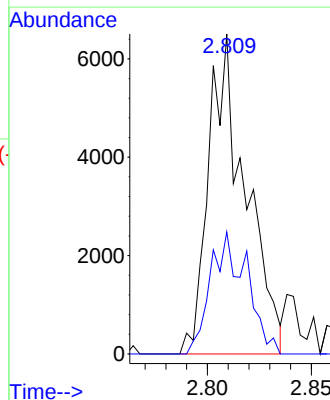
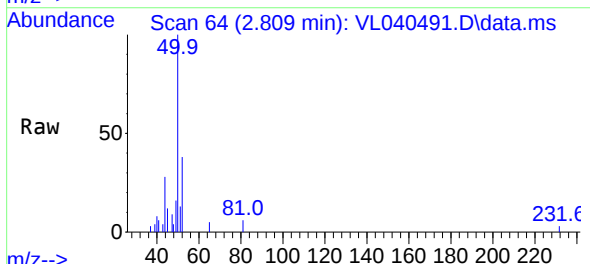
Instrument :
MSVOA_L
ClientSampleId :
AO-1DL

Tgt Ion: 51 Resp: 22065
Ion Ratio Lower Upper
51 100
67 12.2 16.3 24.5#

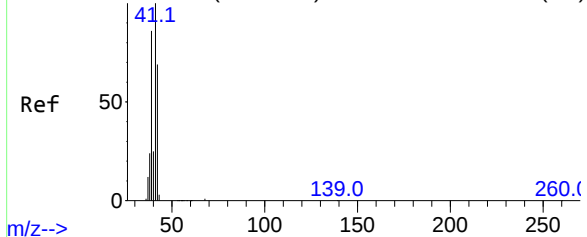


#4
Chloromethane
Concen: 0.127 ppbv
RT: 2.809 min Scan# 64
Delta R.T. 0.010 min
Lab File: VL040491.D
Acq: 22 Jun 2023 18:44

Tgt Ion: 50 Resp: 8041
Ion Ratio Lower Upper
50 100
52 38.1 26.3 39.5



Abundance Scan 23 (2.677 min): VL040455.D\data.ms (-15)



#9

Propene

Concen: 0.286 ppbv

RT: 2.703 min Scan# 31

Delta R.T. 0.026 min

Lab File: VL040491.D

Acq: 22 Jun 2023 18:44

Instrument :

MSVOA_L

ClientSampleId :

AO-1DL

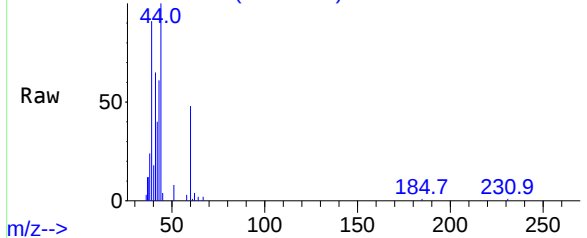
Tgt Ion: 41 Resp: 14422

Ion Ratio Lower Upper

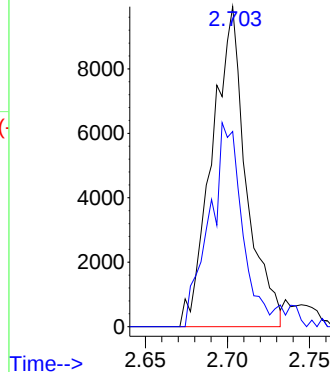
41 100

42 65.0 56.2 84.2

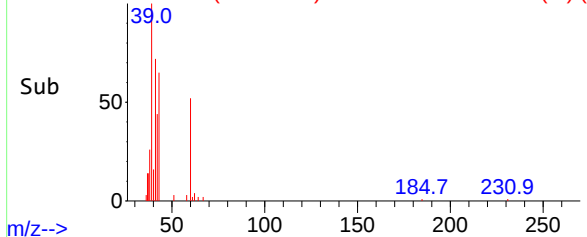
Abundance Scan 31 (2.703 min): VL040491.D\data.ms



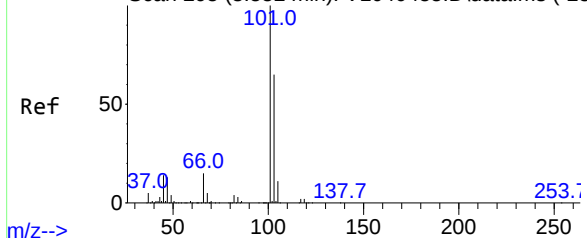
Abundance



Abundance Scan 31 (2.703 min): VL040491.D\data.ms (-1)



Abundance Scan 295 (3.552 min): VL040455.D\data.ms (-28)



#11

Trichlorofluoromethane

Concen: 0.048 ppbv

RT: 3.552 min Scan# 295

Delta R.T. 0.000 min

Lab File: VL040491.D

Acq: 22 Jun 2023 18:44

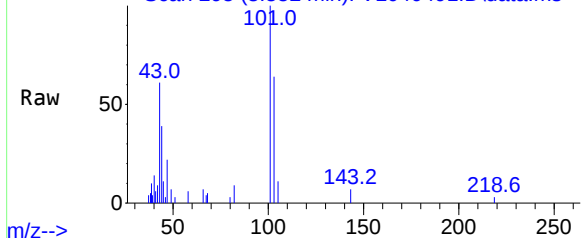
Tgt Ion: 101 Resp: 8561

Ion Ratio Lower Upper

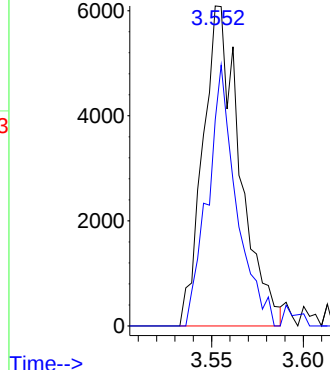
101 100

103 64.4 51.7 77.5

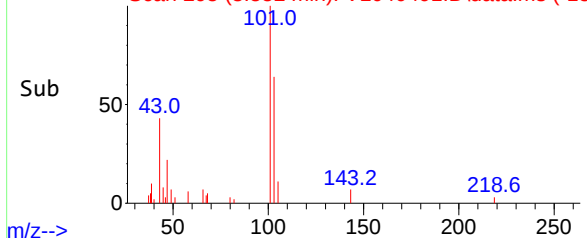
Abundance Scan 295 (3.552 min): VL040491.D\data.ms

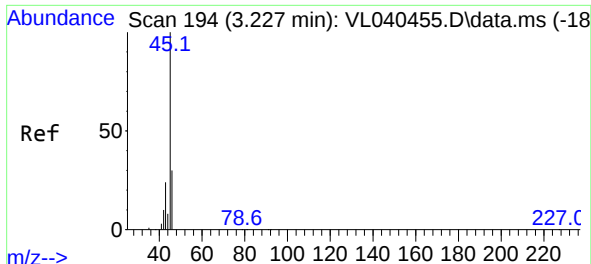


Abundance



Abundance Scan 295 (3.552 min): VL040491.D\data.ms (-13)

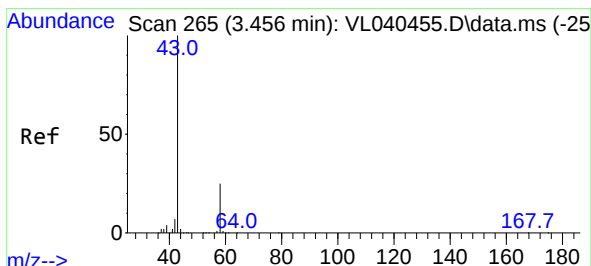
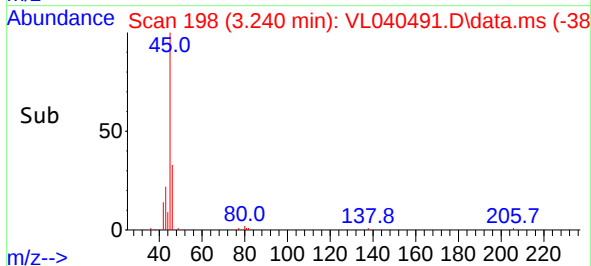
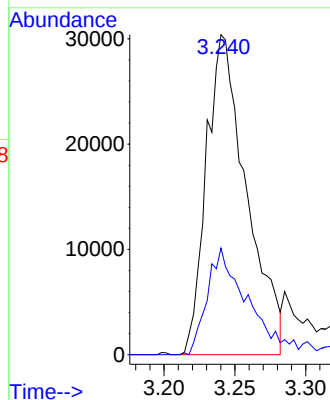
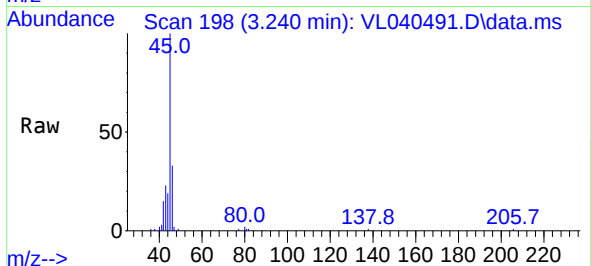




#13
Ethanol
Concen: 5.744 ppbv
RT: 3.240 min Scan# 194
Delta R.T. 0.013 min
Lab File: VL040491.D
Acq: 22 Jun 2023 18:44

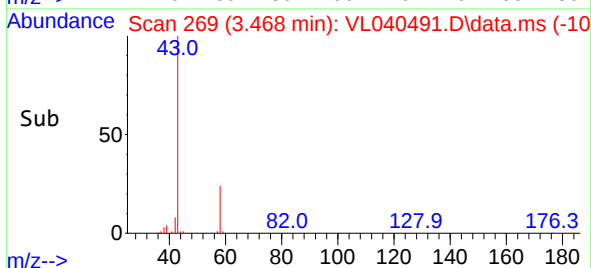
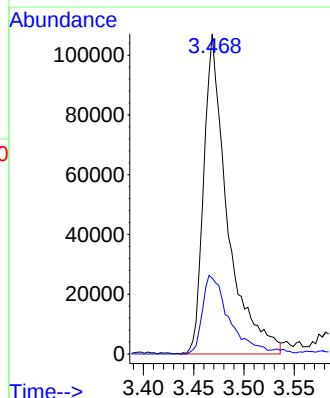
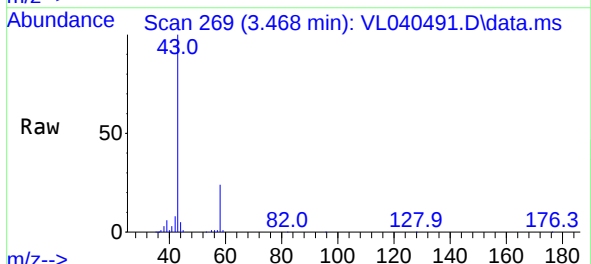
Instrument :
MSVOA_L
ClientSampleId :
AO-1DL

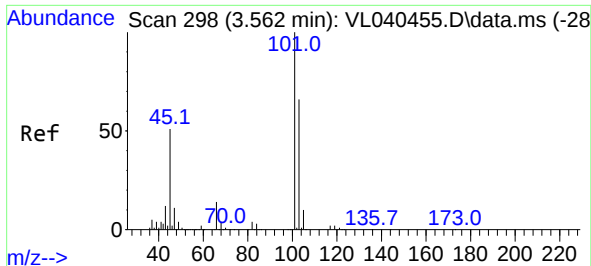
Tgt Ion: 45 Resp: 60077
Ion Ratio Lower Upper
45 100
46 34.4 14.5 58.1



#15
Acetone
Concen: 1.454 ppbv
RT: 3.468 min Scan# 269
Delta R.T. 0.013 min
Lab File: VL040491.D
Acq: 22 Jun 2023 18:44

Tgt Ion: 43 Resp: 175341
Ion Ratio Lower Upper
43 100
58 28.6 21.6 32.4





#19

Isopropyl Alcohol

Concen: 0.170 ppbv

RT: 3.587 min Scan# 306

Delta R.T. 0.026 min

Lab File: VL040491.D

Acq: 22 Jun 2023 18:44

Instrument :

MSVOA_L

ClientSampleId :

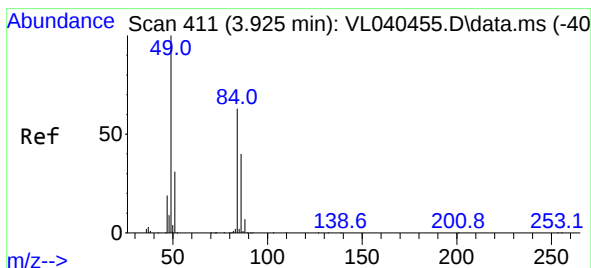
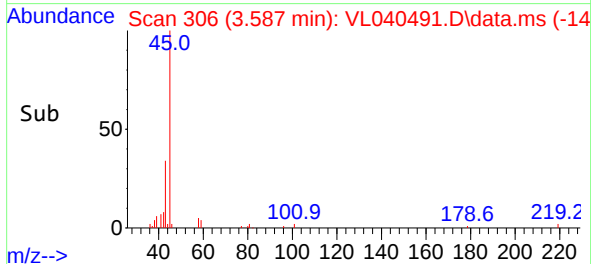
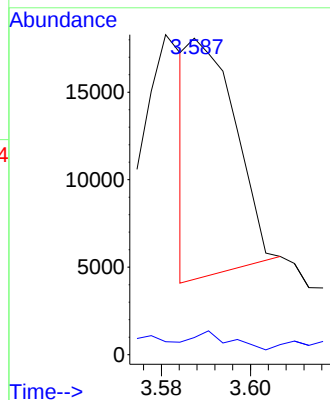
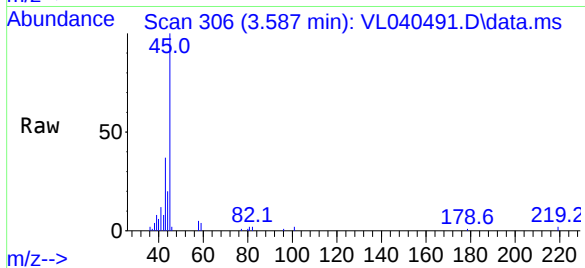
AO-1DL

Tgt Ion: 45 Resp: 9870

Ion Ratio Lower Upper

45 100

58 32.0 2.6 4.0#



#20

Methylene Chloride

Concen: 3.307 ppbv

RT: 3.925 min Scan# 411

Delta R.T. 0.000 min

Lab File: VL040491.D

Acq: 22 Jun 2023 18:44

Tgt Ion: 84 Resp: 170252

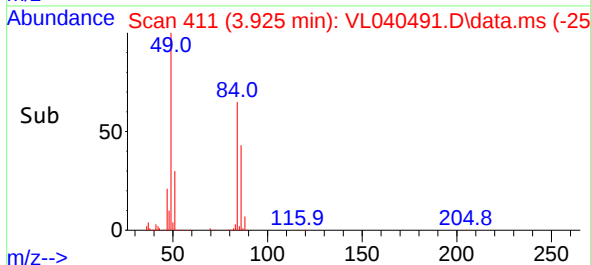
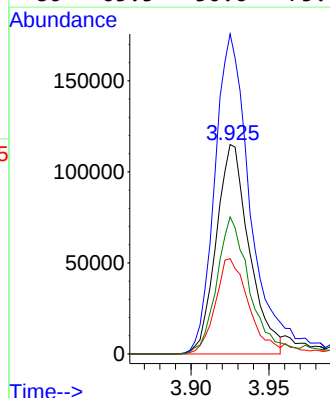
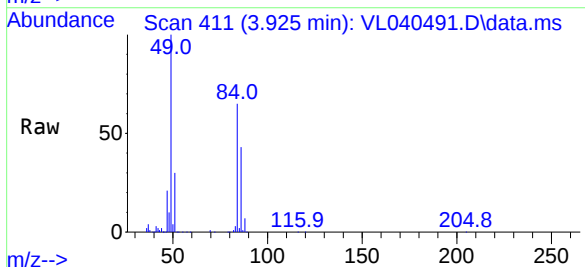
Ion Ratio Lower Upper

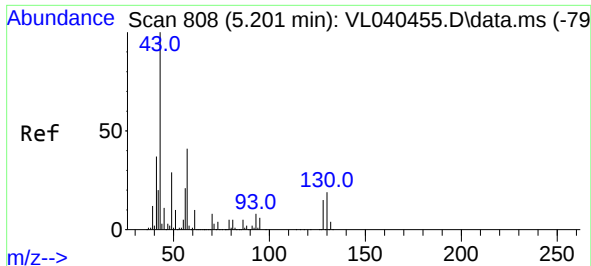
84 100

49 152.7 126.2 189.2

51 45.4 38.7 58.1

86 65.5 50.6 75.8



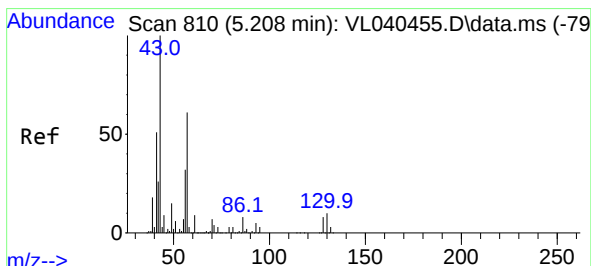
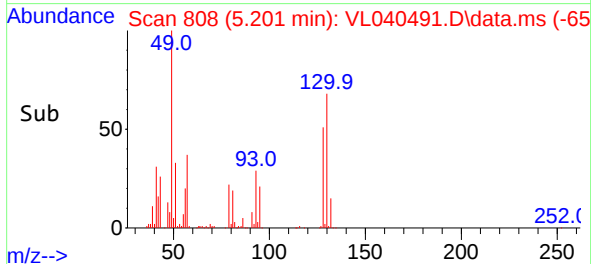
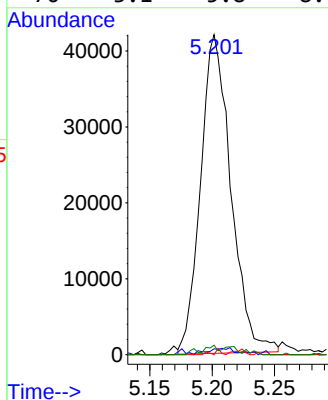
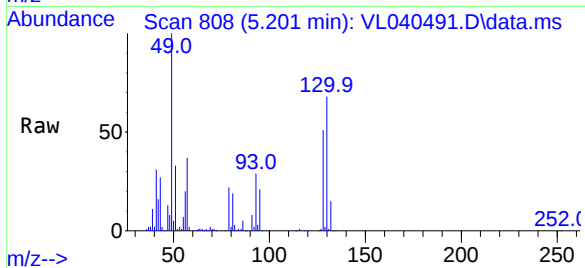


#25
Ethyl Acetate
Concen: 0.325 ppbv
RT: 5.201 min Scan# 808
Delta R.T. 0.000 min
Lab File: VL040491.D
Acq: 22 Jun 2023 18:44

Instrument :
MSVOA_L
ClientSampleId :
AO-1DL

Tgt Ion: 43 Resp: 71123

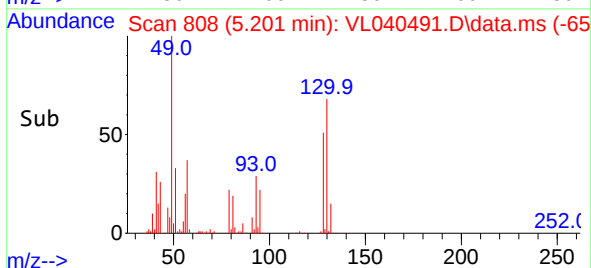
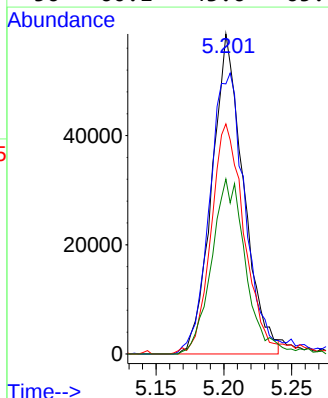
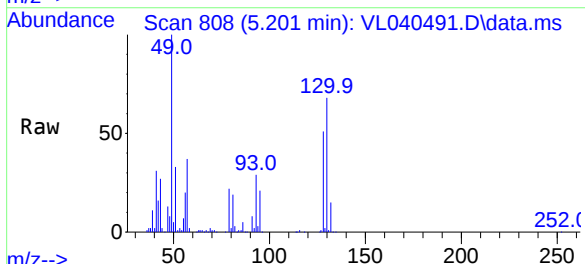
Ion	Ratio	Lower	Upper
43	100		
45	2.8	8.0	12.0#
61	1.1	8.1	12.1#
70	3.1	5.8	8.6#

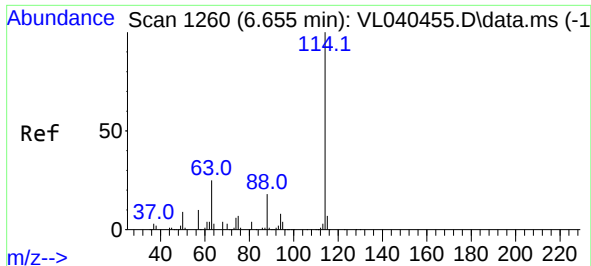


#26
Hexane
Concen: 0.916 ppbv
RT: 5.201 min Scan# 808
Delta R.T. -0.006 min
Lab File: VL040491.D
Acq: 22 Jun 2023 18:44

Tgt Ion: 57 Resp: 94844

Ion	Ratio	Lower	Upper
57	100		
41	102.3	73.0	109.6
43	78.2	177.5	266.3#
56	60.1	43.6	65.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.642 min Scan# 11

Delta R.T. -0.013 min

Lab File: VL040491.D

Acq: 22 Jun 2023 18:44

Instrument :

MSVOA_L

ClientSampleId :

AO-1DL

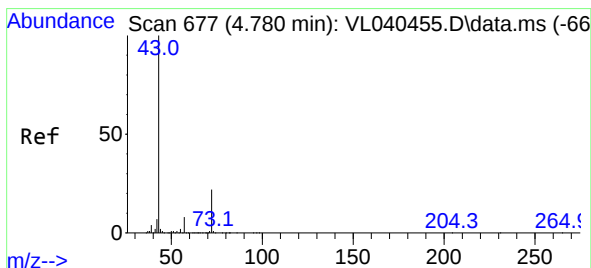
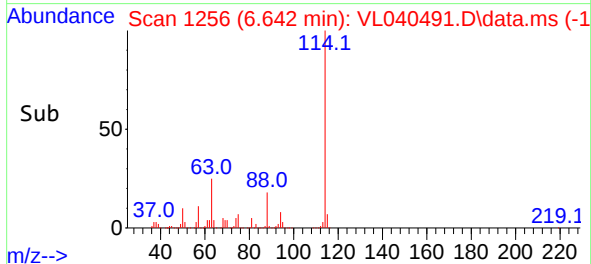
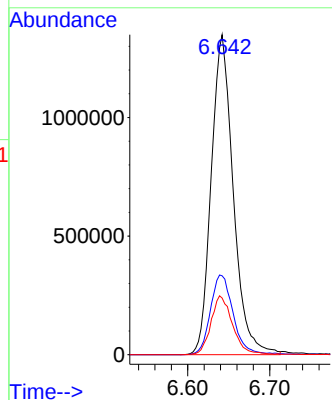
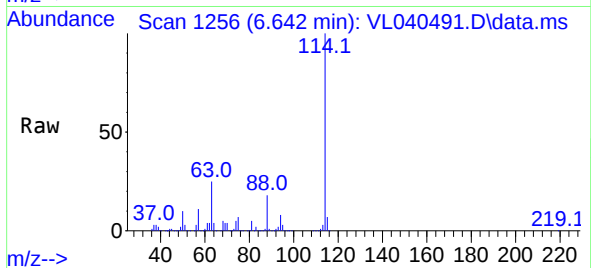
Tgt Ion:114 Resp: 2517992

Ion Ratio Lower Upper

114 100

63 26.1 21.0 31.6

88 18.2 14.5 21.7



#34

2-Butanone

Concen: 0.071 ppbv

RT: 4.790 min Scan# 680

Delta R.T. 0.010 min

Lab File: VL040491.D

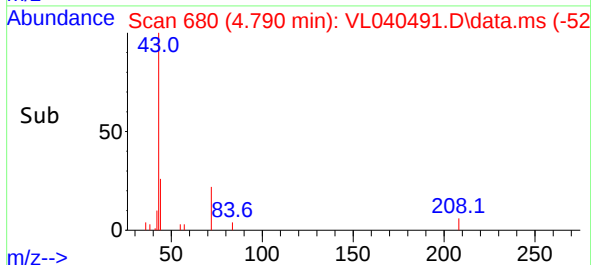
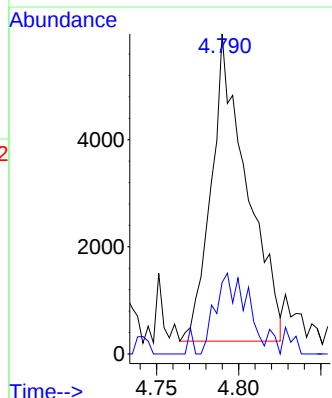
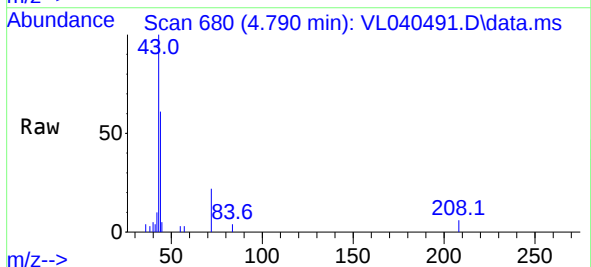
Acq: 22 Jun 2023 18:44

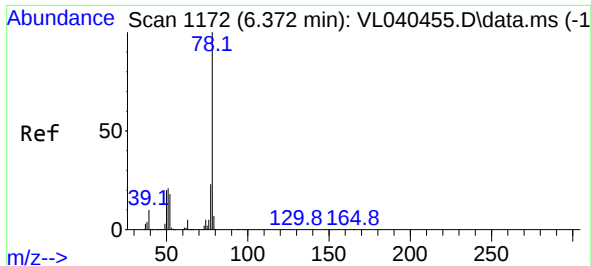
Tgt Ion: 43 Resp: 8613

Ion Ratio Lower Upper

43 100

72 28.3 18.1 27.1#

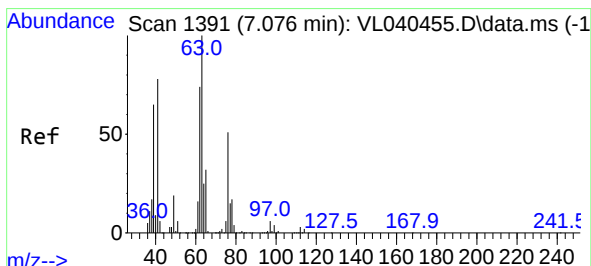
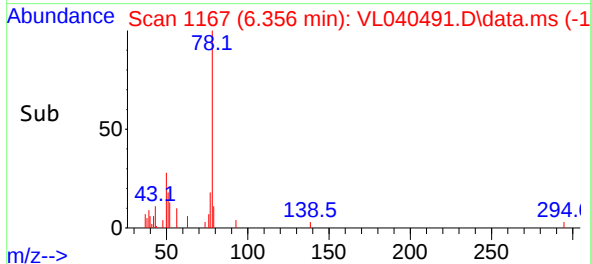
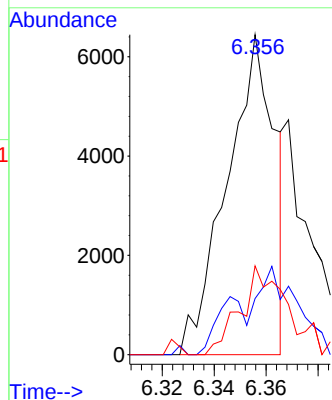
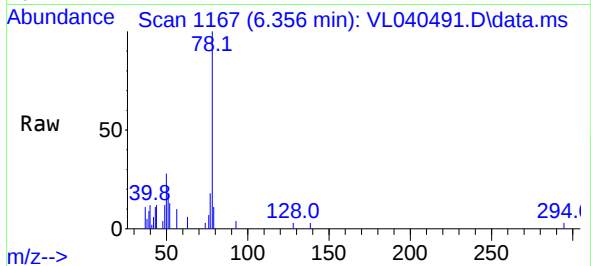




#36
Benzene
Concen: 0.041 ppbv
RT: 6.356 min Scan# 1172
Delta R.T. -0.016 min
Lab File: VL040491.D
Acq: 22 Jun 2023 18:44

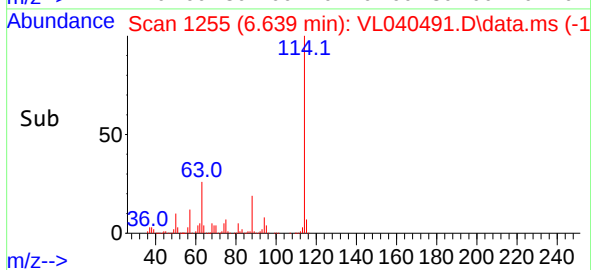
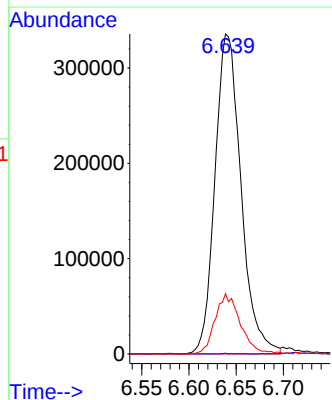
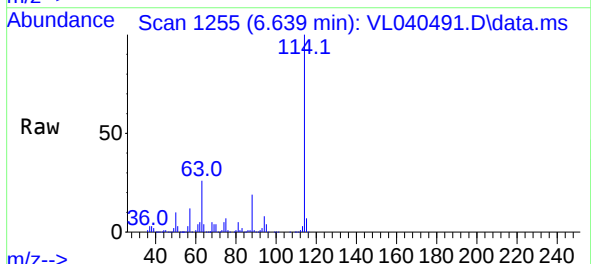
Instrument :
MSVOA_1
ClientSampleId :
AO-1DL

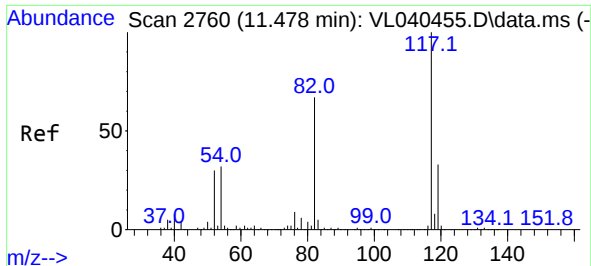
Tgt Ion: 78 Resp: 8209
Ion Ratio Lower Upper
78 100
77 14.7 18.5 27.7#
50 25.4 16.1 24.1#



#39
1,2-Dichloropropane
Concen: 8.321 ppbv
RT: 6.639 min Scan# 1255
Delta R.T. -0.437 min
Lab File: VL040491.D
Acq: 22 Jun 2023 18:44

Tgt Ion: 63 Resp: 642495
Ion Ratio Lower Upper
63 100
41 0.2 62.2 93.2#
62 18.8 59.0 88.4#

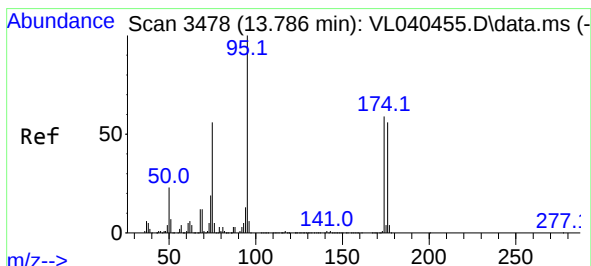
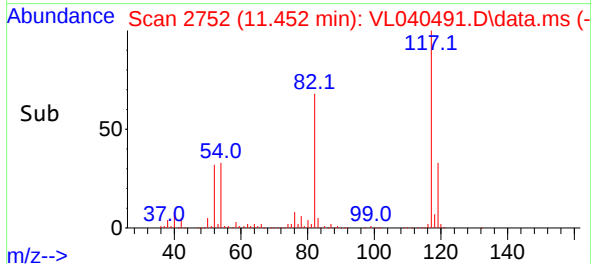
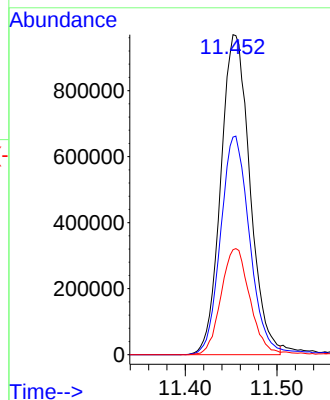
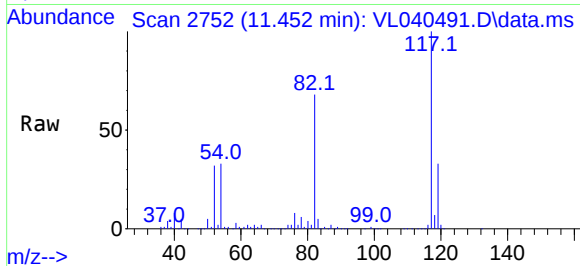




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 21
Delta R.T. -0.026 min
Lab File: VL040491.D
Acq: 22 Jun 2023 18:44

Instrument :
MSVOA_L
ClientSampleId :
AO-1DL

Tgt Ion:117 Resp: 2139489
Ion Ratio Lower Upper
117 100
82 69.6 53.0 79.4
119 33.3 24.4 36.6



#68
1-Bromo-4-Fluorobenzene
Concen: 10.122 ppbv
RT: 13.764 min Scan# 3471
Delta R.T. -0.023 min
Lab File: VL040491.D
Acq: 22 Jun 2023 18:44

Tgt Ion: 95 Resp: 1787435
Ion Ratio Lower Upper
95 100
174 60.2 47.7 71.5
175 4.2 3.5 5.3

