

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062223\
 Data File : VL040497.D
 Acq On : 22 Jun 2023 22:47
 Operator : SY/MD
 Sample : 03300-04DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1DL

Quant Time: Jun 23 01:32:52 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)

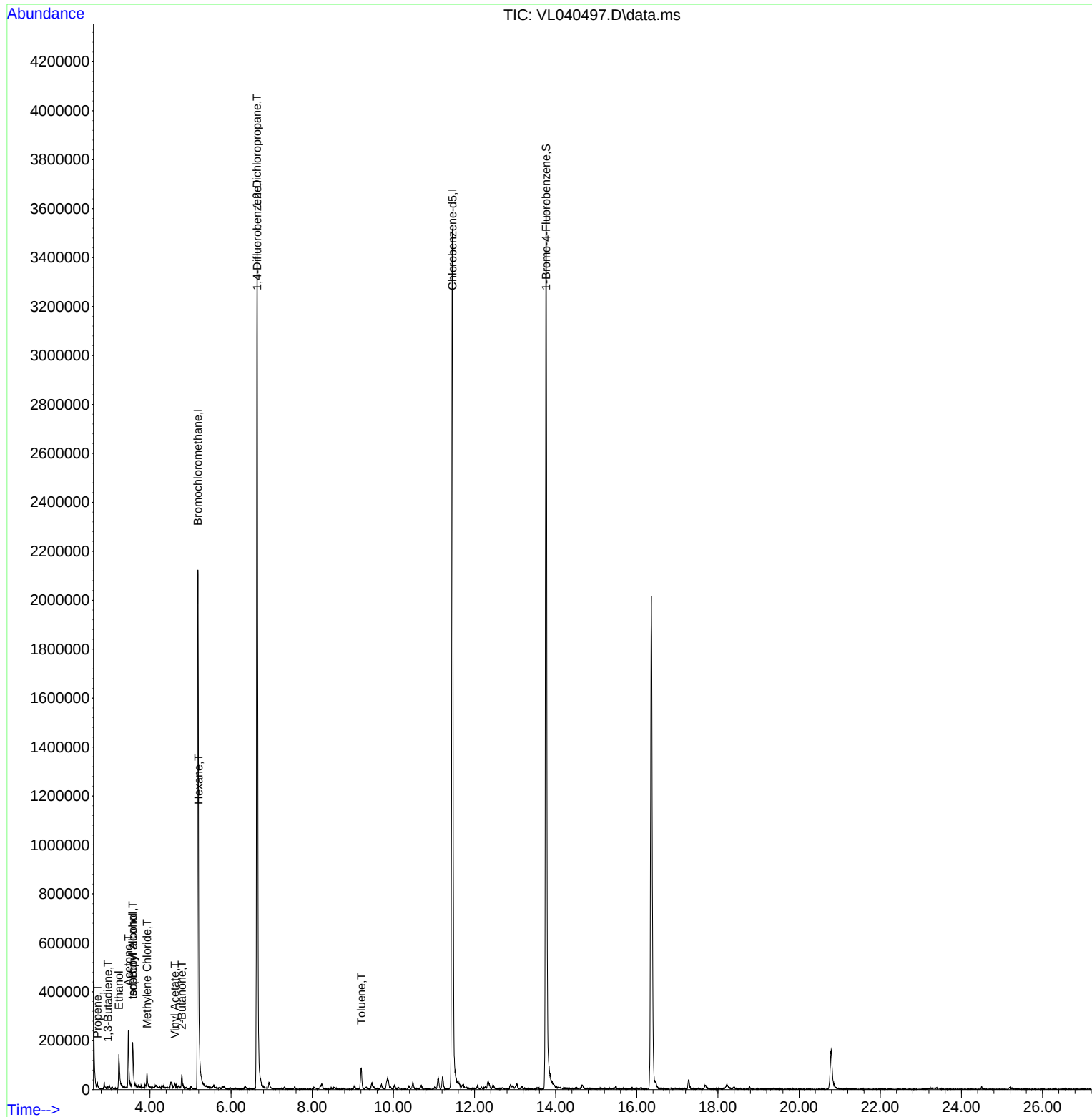
Internal Standards						
1) Bromochloromethane	5.182	49	960747	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	2499489	10.000	ppbv	-0.01
55) Chlorobenzene-d5	11.455	117	2228340	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	1802533	9.801	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.000%
Target Compounds						
					Qvalue	
9) Propene	2.703	41	4591	0.095	ppbv	97
13) Ethanol	3.237	45	150995	15.027	ppbv	94
15) Acetone	3.469	43	219665	1.896	ppbv	95
16) 1,3-Butadiene	2.967	39	2592	0.046	ppbv #	8
17) tert-Butyl alcohol	3.578	59	8094	0.085	ppbv	99
19) Isopropyl Alcohol	3.578	45	203964	3.652	ppbv #	95
20) Methylene Chloride	3.928	84	17819	0.360	ppbv #	86
23) Vinyl Acetate	4.613	43	8909	0.079	ppbv #	71
26) Hexane	5.198	57	4962	0.050	ppbv #	22
34) 2-Butanone	4.787	43	61533	0.511	ppbv	93
39) 1,2-Dichloropropane	6.639	63	634398	8.277	ppbv #	22
53) Toluene	9.211	91	30606	0.146	ppbv	96

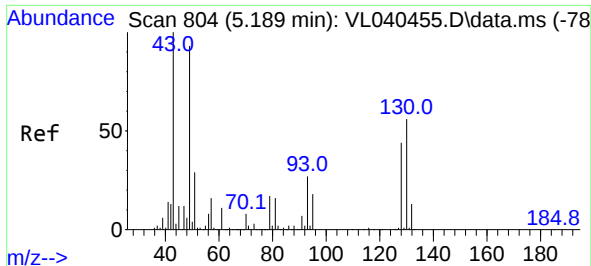
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 23 01:32:52 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

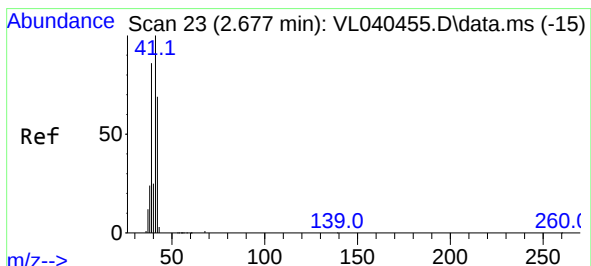
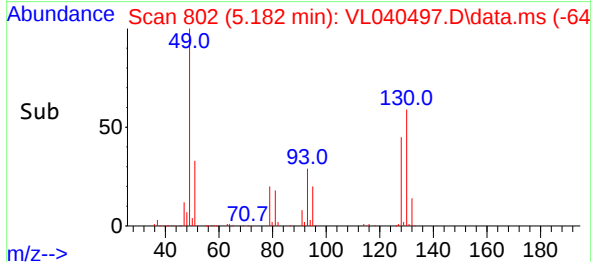
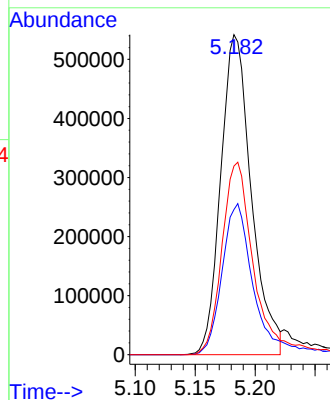
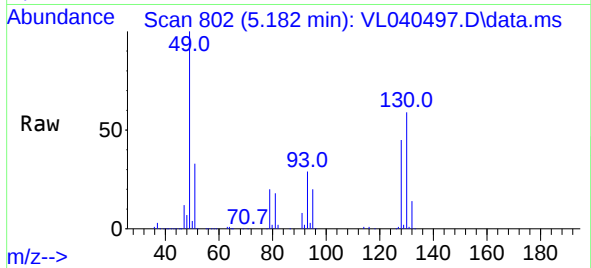




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. -0.007 min
Lab File: VL040497.D
Acq: 22 Jun 2023 22:47

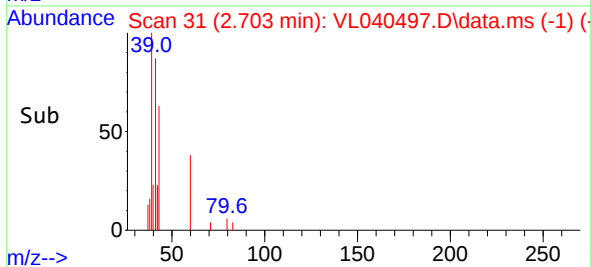
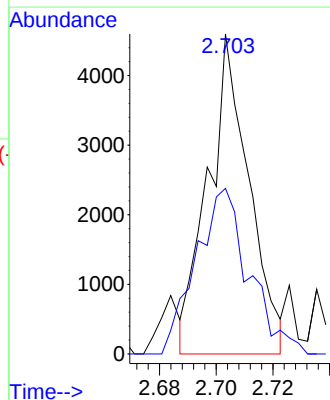
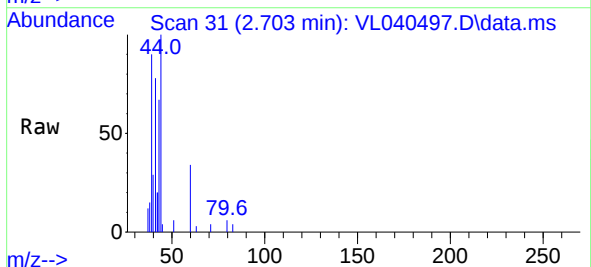
Instrument :
MSVOA_L
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SV-1DL

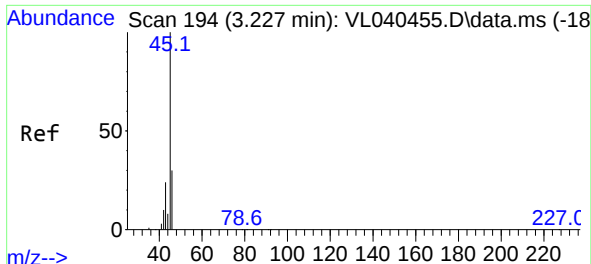
Tgt Ion: 49 Resp: 960747
Ion Ratio Lower Upper
49 100
128 50.3 24.7 74.1
130 65.2 31.4 94.2



#9
Propene
Concen: 0.095 ppbv
RT: 2.703 min Scan# 31
Delta R.T. 0.026 min
Lab File: VL040497.D
Acq: 22 Jun 2023 22:47

Tgt Ion: 41 Resp: 4591
Ion Ratio Lower Upper
41 100
42 67.5 56.2 84.2

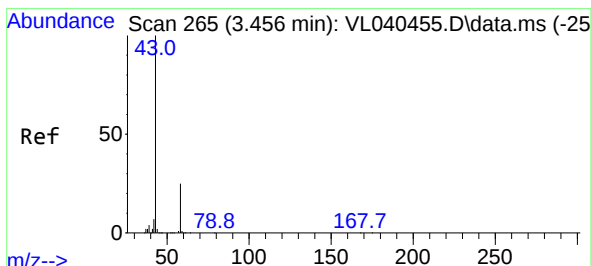
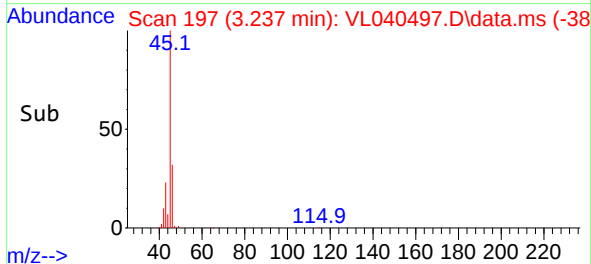
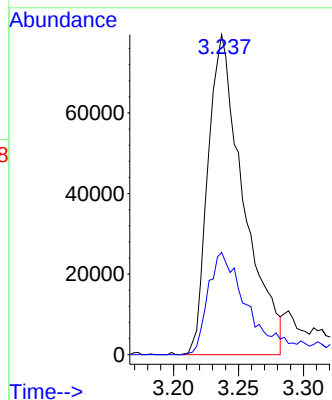
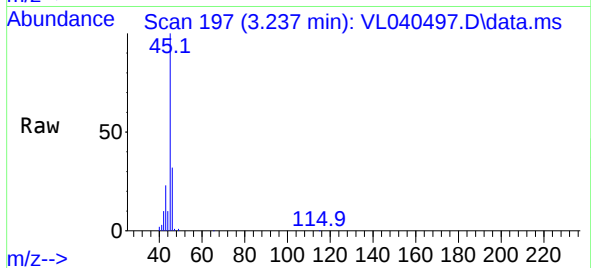




#13
Ethanol
Concen: 15.027 ppbv
RT: 3.237 min Scan# 194
Delta R.T. 0.010 min
Lab File: VL040497.D
Acq: 22 Jun 2023 22:47

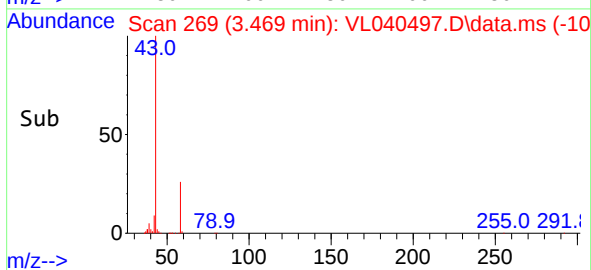
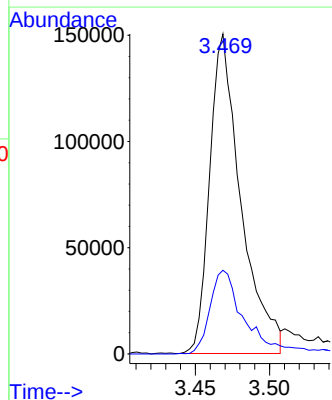
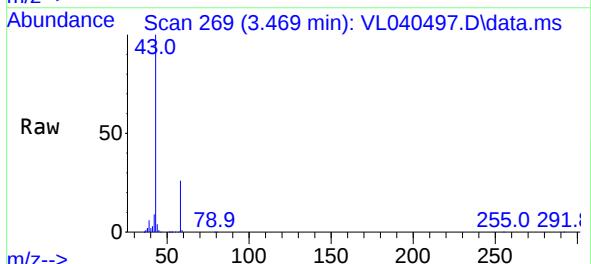
Instrument :
MSVOA_L
ClientSampleId :
SV-1DL

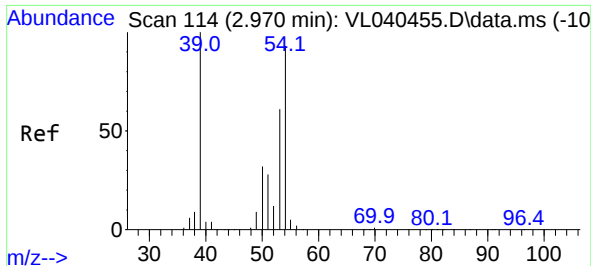
Tgt Ion: 45 Resp: 150995
Ion Ratio Lower Upper
45 100
46 39.7 14.5 58.1



#15
Acetone
Concen: 1.896 ppbv
RT: 3.469 min Scan# 269
Delta R.T. 0.013 min
Lab File: VL040497.D
Acq: 22 Jun 2023 22:47

Tgt Ion: 43 Resp: 219665
Ion Ratio Lower Upper
43 100
58 29.7 21.6 32.4





#16

1,3-Butadiene

Concen: 0.046 ppbv

RT: 2.967 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL040497.D

Acq: 22 Jun 2023 22:47

Instrument :

MSVOA_L

ClientSampleId :

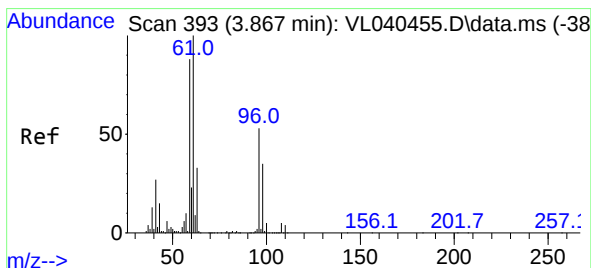
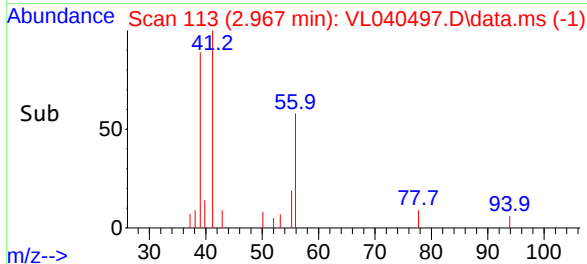
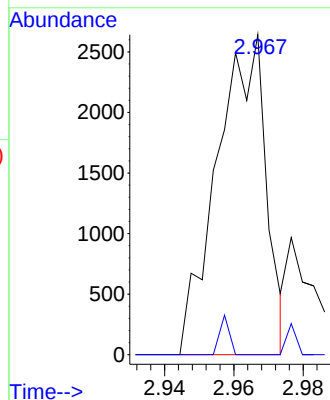
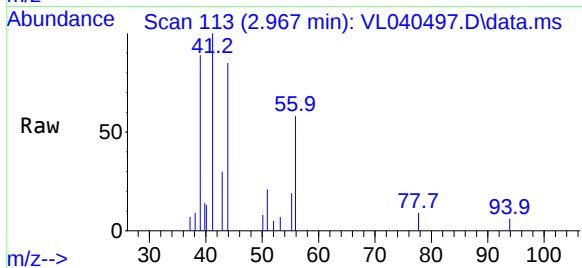
SV-1DL

Tgt Ion: 39 Resp: 2592

Ion Ratio Lower Upper

39 100

54 0.0 66.9 100.3#



#17

tert-Butyl alcohol

Concen: 0.085 ppbv

RT: 3.578 min Scan# 303

Delta R.T. -0.289 min

Lab File: VL040497.D

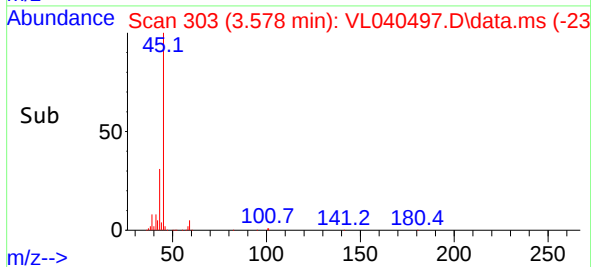
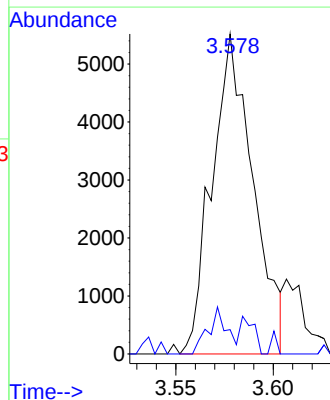
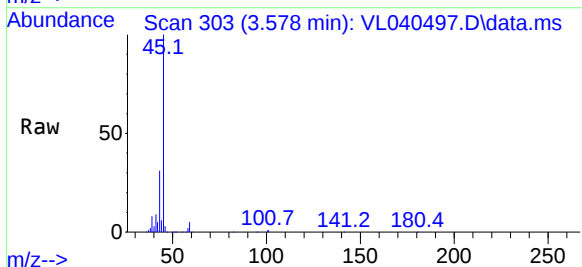
Acq: 22 Jun 2023 22:47

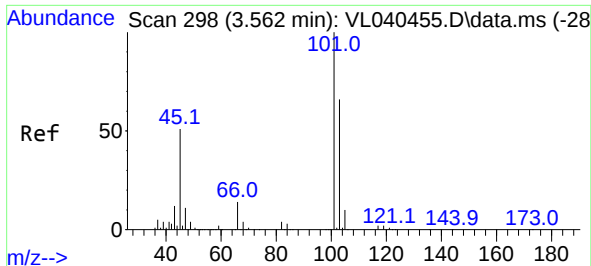
Tgt Ion: 59 Resp: 8094

Ion Ratio Lower Upper

59 100

57 11.5 8.8 13.2

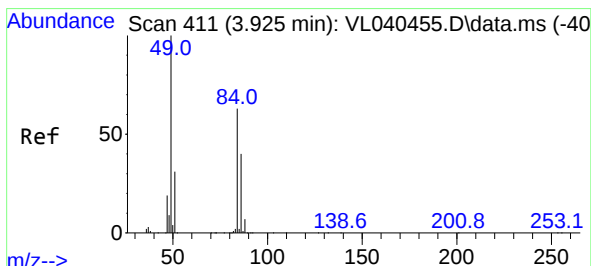
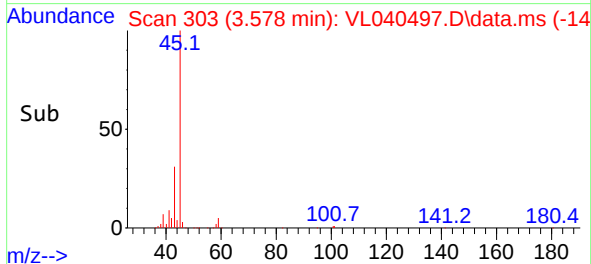
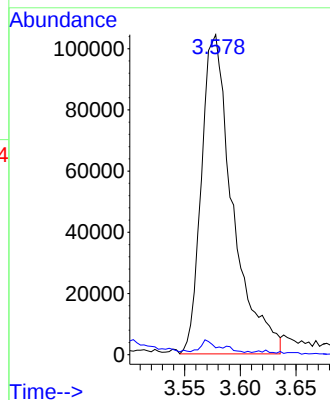
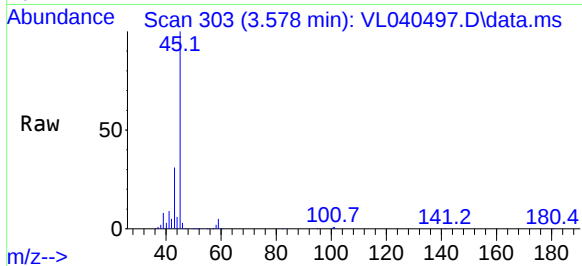




#19
Isopropyl Alcohol
Concen: 3.652 ppbv
RT: 3.578 min Scan# 303
Delta R.T. 0.016 min
Lab File: VL040497.D
Acq: 22 Jun 2023 22:47

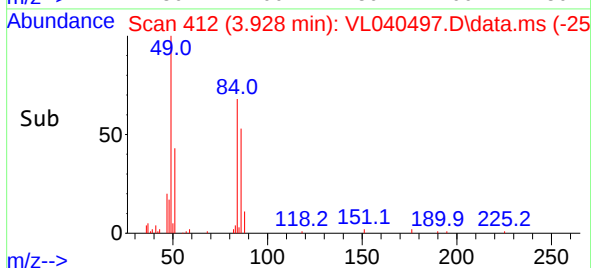
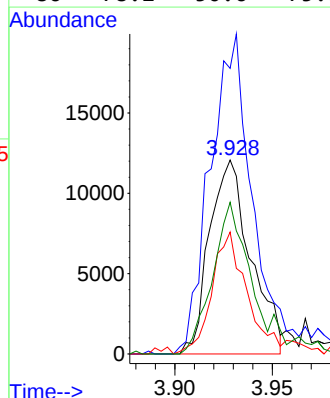
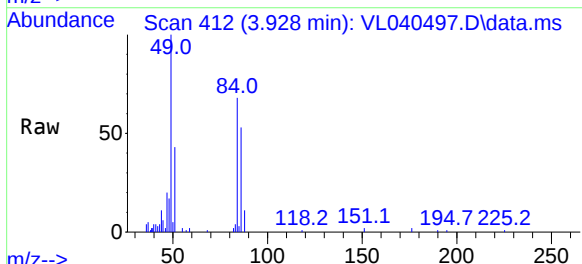
Instrument :
MSVOA_L
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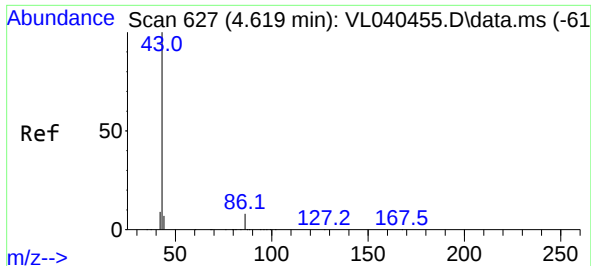
Tgt Ion: 45 Resp: 203964
Ion Ratio Lower Upper
45 100
58 5.0 2.6 4.0#



#20
Methylene Chloride
Concen: 0.360 ppbv
RT: 3.928 min Scan# 412
Delta R.T. 0.003 min
Lab File: VL040497.D
Acq: 22 Jun 2023 22:47

Tgt Ion: 84 Resp: 17819
Ion Ratio Lower Upper
84 100
49 143.6 126.2 189.2
51 61.6 38.7 58.1#
86 78.2 50.6 75.8#



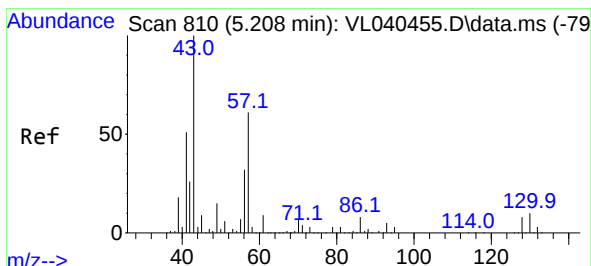
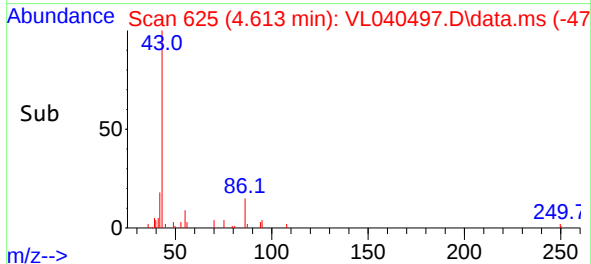
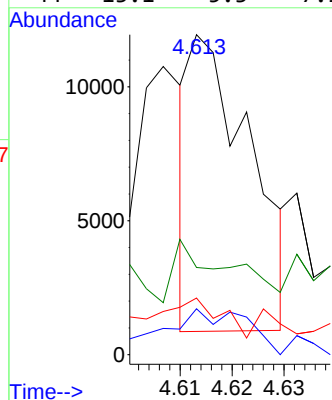
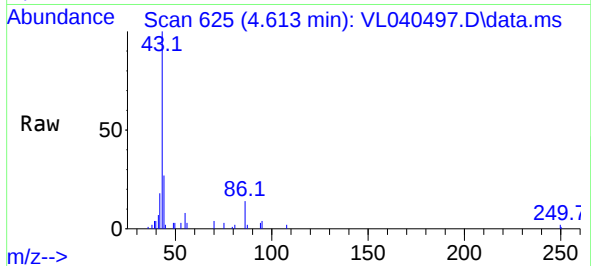


#23
 Vinyl Acetate
 Concen: 0.079 ppbv
 RT: 4.613 min Scan# 61
 Delta R.T. -0.006 min
 Lab File: VL040497.D
 Acq: 22 Jun 2023 22:47

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1DL

Tgt Ion: 43 Resp: 8909

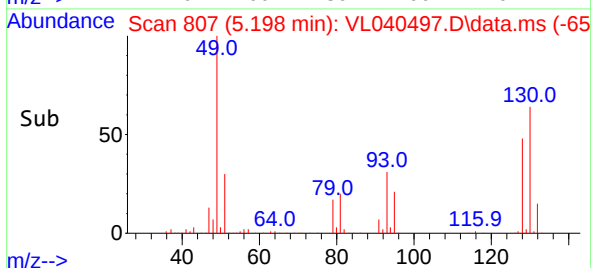
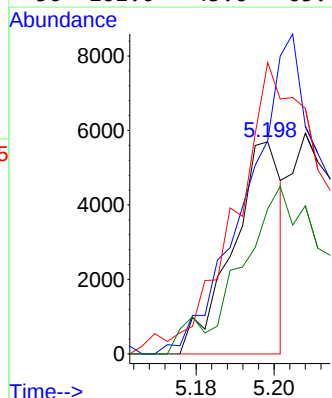
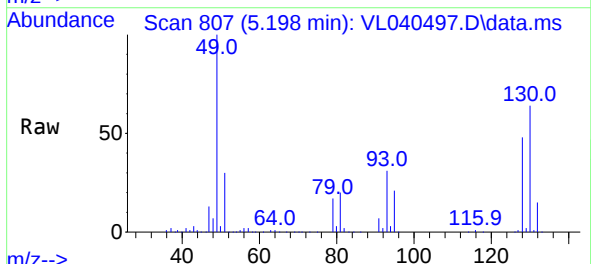
Ion	Ratio	Lower	Upper
43	100		
86	26.3	5.8	8.6#
42	14.7	7.4	11.2#
44	13.1	5.3	7.9#

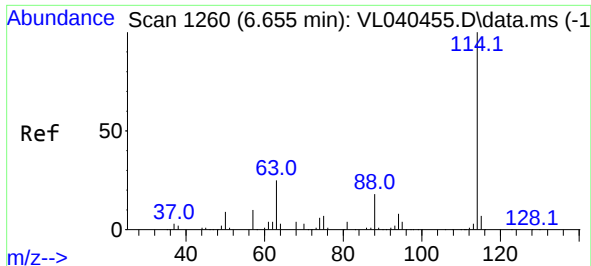


#26
 Hexane
 Concen: 0.050 ppbv
 RT: 5.198 min Scan# 807
 Delta R.T. -0.010 min
 Lab File: VL040497.D
 Acq: 22 Jun 2023 22:47

Tgt Ion: 57 Resp: 4962

Ion	Ratio	Lower	Upper
57	100		
41	0.0	73.0	109.6#
43	306.9	177.5	266.3#
56	161.0	43.6	65.4#

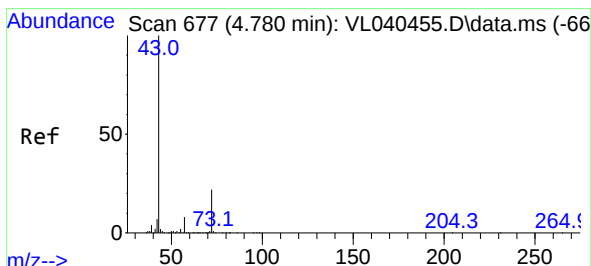
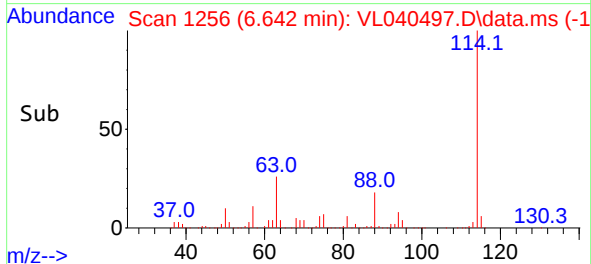
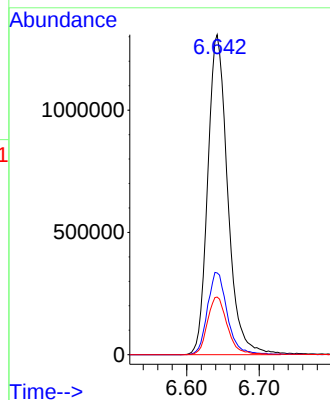
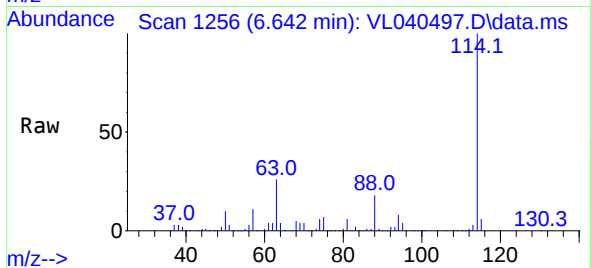




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.642 min Scan# 114
Delta R.T. -0.013 min
Lab File: VL040497.D
Acq: 22 Jun 2023 22:47

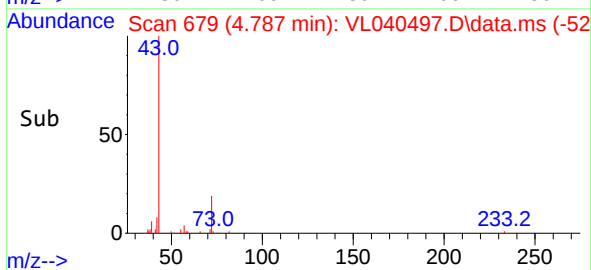
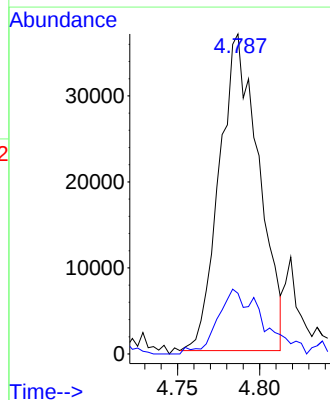
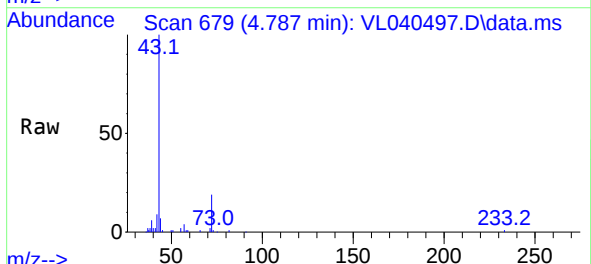
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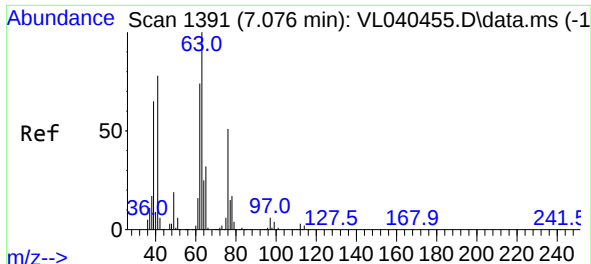
Tgt Ion:114 Resp: 2499489
Ion Ratio Lower Upper
114 100
63 25.9 21.0 31.6
88 18.2 14.5 21.7



#34
2-Butanone
Concen: 0.511 ppbv
RT: 4.787 min Scan# 679
Delta R.T. 0.007 min
Lab File: VL040497.D
Acq: 22 Jun 2023 22:47

Tgt Ion: 43 Resp: 61533
Ion Ratio Lower Upper
43 100
72 26.1 18.1 27.1

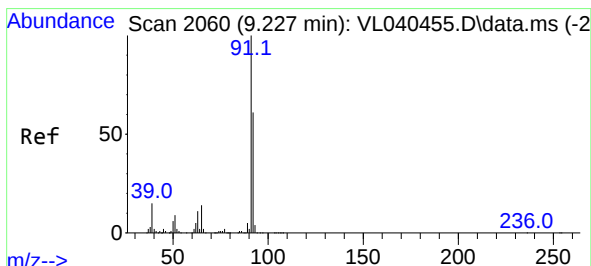
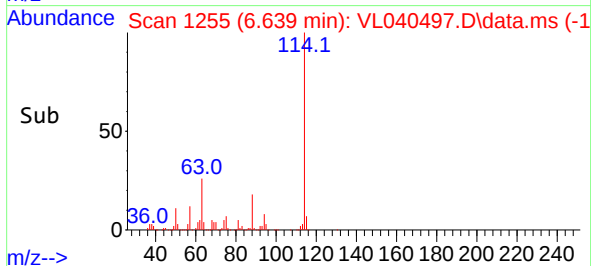
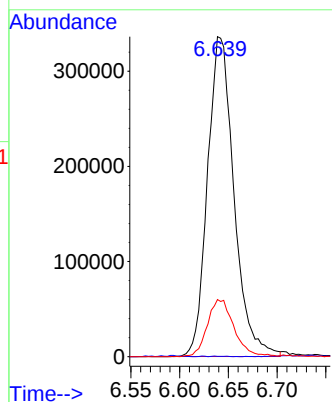
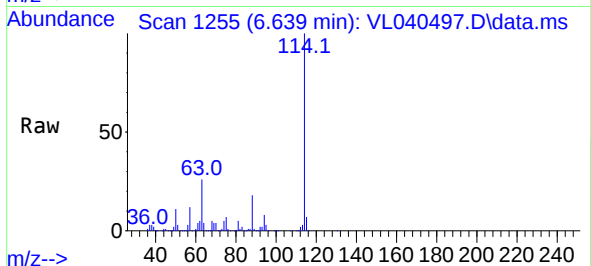




#39
1,2-Dichloropropane
Concen: 8.277 ppbv
RT: 6.639 min Scan# 11
Delta R.T. -0.437 min
Lab File: VL040497.D
Acq: 22 Jun 2023 22:47

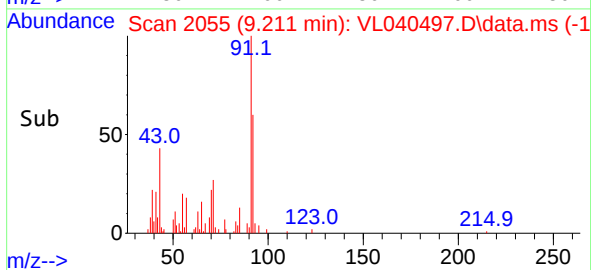
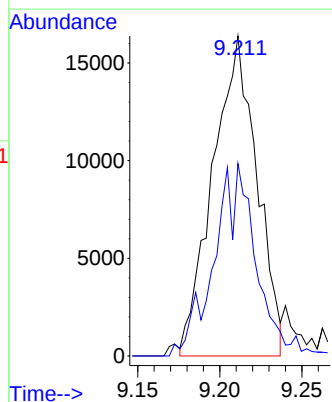
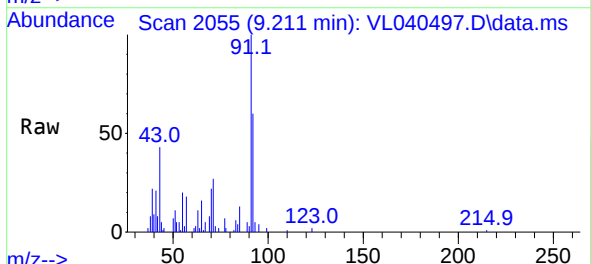
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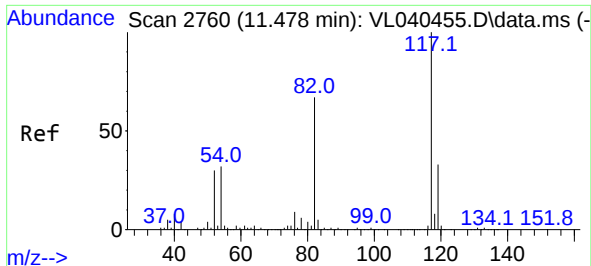
Tgt Ion: 63 Resp: 634398
Ion Ratio Lower Upper
63 100
41 0.0 62.2 93.2#
62 17.8 59.0 88.4#



#53
Toluene
Concen: 0.146 ppbv
RT: 9.211 min Scan# 2055
Delta R.T. -0.016 min
Lab File: VL040497.D
Acq: 22 Jun 2023 22:47

Tgt Ion: 91 Resp: 30606
Ion Ratio Lower Upper
91 100
92 58.1 49.1 73.7

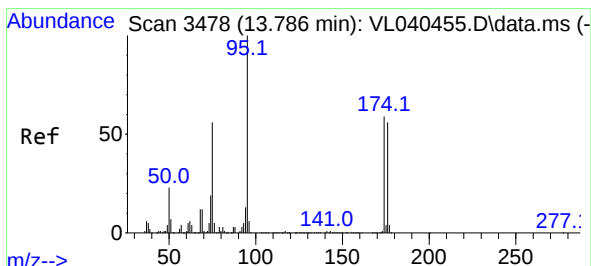
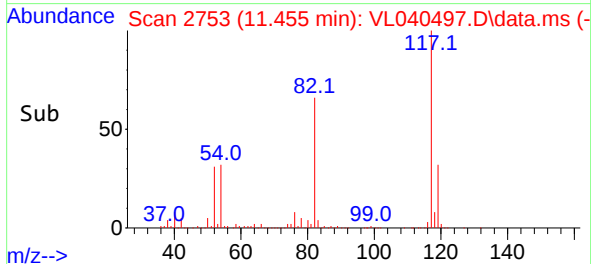
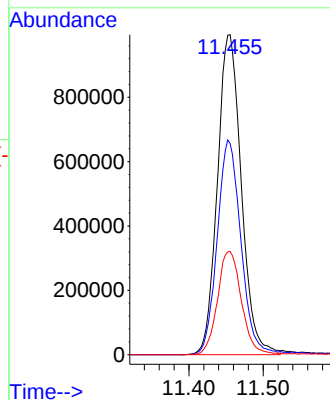
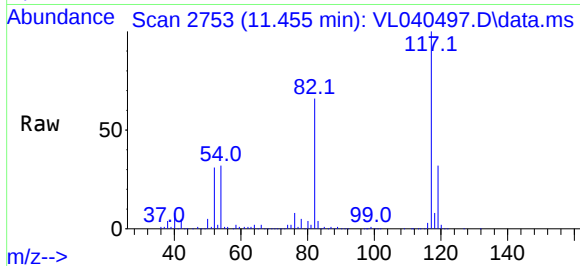




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.455 min Scan# 21
Delta R.T. -0.022 min
Lab File: VL040497.D
Acq: 22 Jun 2023 22:47

Instrument :
MSVOA_L
ClientSampleId :
SV-1DL

Tgt Ion:117 Resp: 2228340
Ion Ratio Lower Upper
117 100
82 67.7 53.0 79.4
119 32.8 24.4 36.6



#68
1-Bromo-4-Fluorobenzene
Concen: 9.801 ppbv
RT: 13.764 min Scan# 3471
Delta R.T. -0.022 min
Lab File: VL040497.D
Acq: 22 Jun 2023 22:47

Tgt Ion: 95 Resp: 1802533
Ion Ratio Lower Upper
95 100
174 59.9 47.7 71.5
175 4.2 3.5 5.3

