

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062223\
 Data File : VL040495.D
 Acq On : 22 Jun 2023 21:26
 Operator : SY/MD
 Sample : 03300-02DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-2DL

Quant Time: Jun 23 01:32:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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)

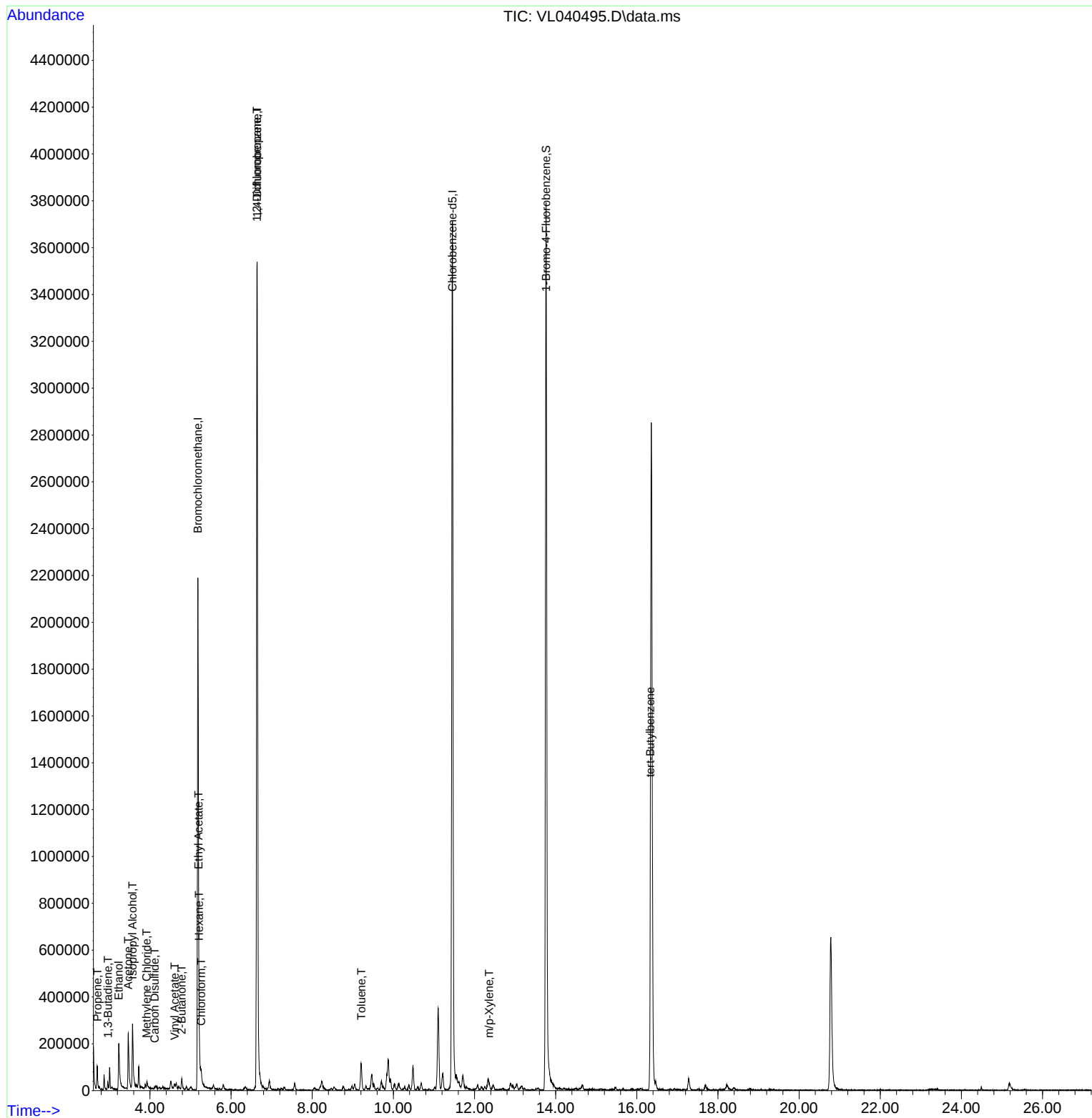
Internal Standards						
1) Bromochloromethane	5.182	49	1015368	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	2555661	10.000	ppbv	-0.01
55) Chlorobenzene-d5	11.455	117	2325261	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	1889965	9.848	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.500%
Target Compounds						
					Qvalue	
9) Propene	2.703	41	28409	0.554	ppbv	90
13) Ethanol	3.231	45	228743	21.539	ppbv	98
15) Acetone	3.465	43	247950	2.025	ppbv	98
16) 1,3-Butadiene	2.964	39	6153	0.103	ppbv #	8
19) Isopropyl Alcohol	3.571	45	285936	4.844	ppbv #	98
20) Methylene Chloride	3.922	84	4078	0.078	ppbv #	76
23) Vinyl Acetate	4.610	43	7345	0.061	ppbv #	64
25) Ethyl Acetate	5.202	43	22299	0.100	ppbv #	78
26) Hexane	5.208	57	21058	0.200	ppbv #	52
27) Carbon Disulfide	4.118	76	4428	0.034	ppbv #	1
29) Chloroform	5.266	83	21925	0.122	ppbv	92
34) 2-Butanone	4.784	43	45092	0.366	ppbv #	88
39) 1,2-Dichloropropane	6.639	63	659353	8.414	ppbv #	23
53) Toluene	9.211	91	18029	0.084	ppbv #	20
59) m/p-Xylene	12.359	91	8990	0.035	ppbv #	33
65) tert-Butylbenzene	16.333	119	10004	0.032	ppbv #	16

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

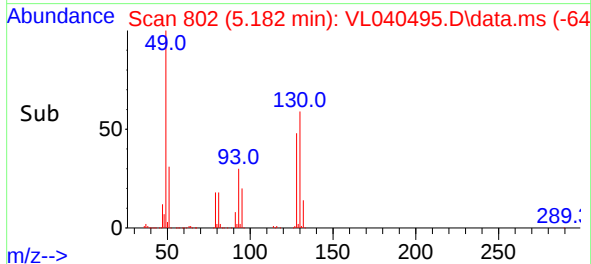
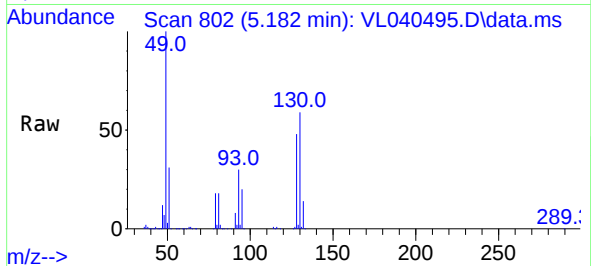
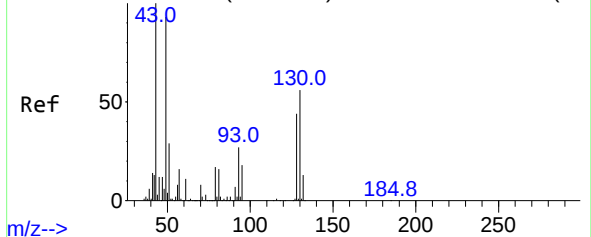
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062223\
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060523AIR.M
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QLast Update : Tue Jun 06 06:22:12 2023
Response via : Initial Calibration



Abundance Scan 804 (5.189 min): VL040455.D\data.ms (-78



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.182 min Scan# 80

Delta R.T. -0.007 min

Lab File: VL040495.D

Acq: 22 Jun 2023 21:26

Instrument :

MSVOA_L

ClientSampleId :

SV-2DL

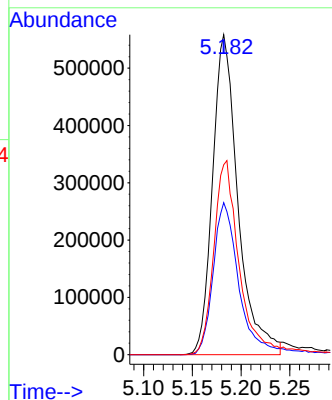
Tgt Ion: 49 Resp: 1015368

Ion Ratio Lower Upper

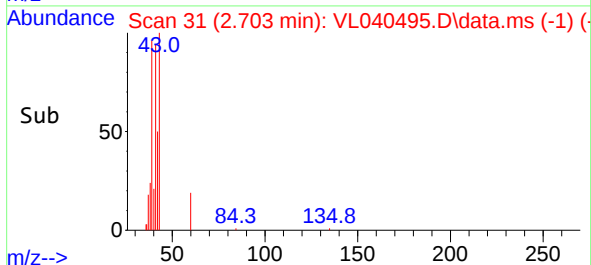
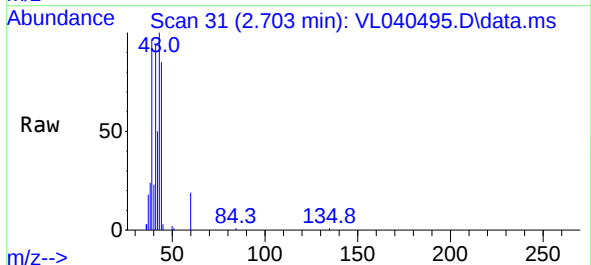
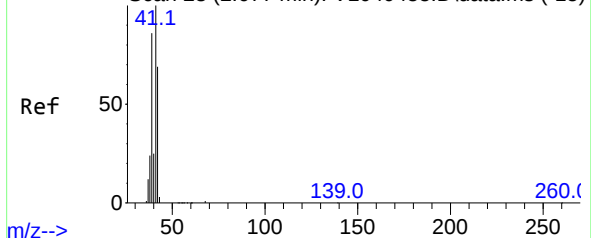
49 100

128 49.8 24.7 74.1

130 62.5 31.4 94.2



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



#9

Propene

Concen: 0.554 ppbv

RT: 2.703 min Scan# 31

Delta R.T. 0.026 min

Lab File: VL040495.D

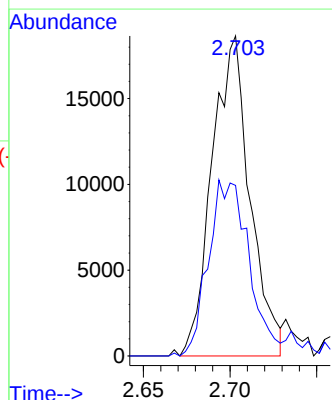
Acq: 22 Jun 2023 21:26

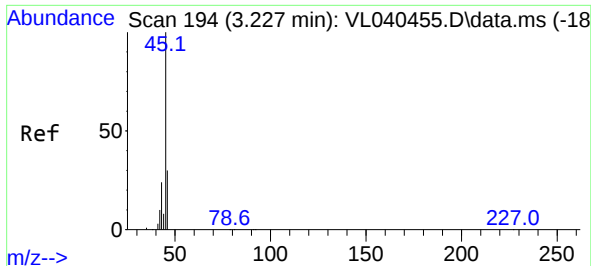
Tgt Ion: 41 Resp: 28409

Ion Ratio Lower Upper

41 100

42 61.8 56.2 84.2

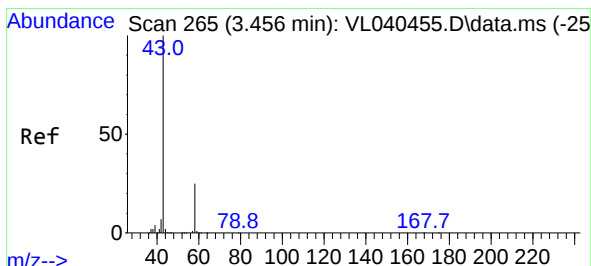
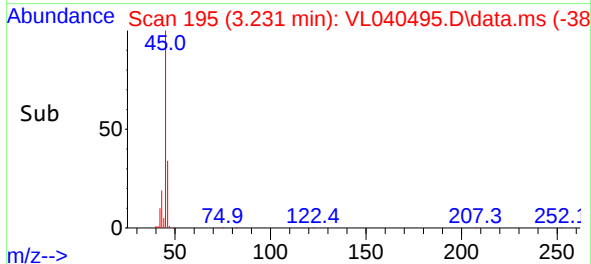
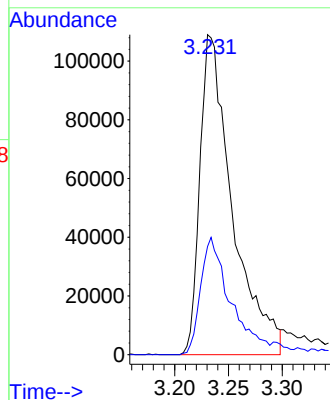
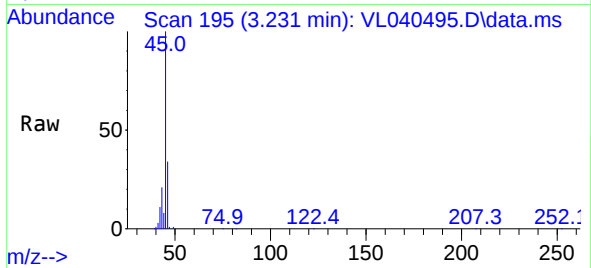




#13
Ethanol
Concen: 21.539 ppbv
RT: 3.231 min Scan# 194
Delta R.T. 0.003 min
Lab File: VL040495.D
Acq: 22 Jun 2023 21:26

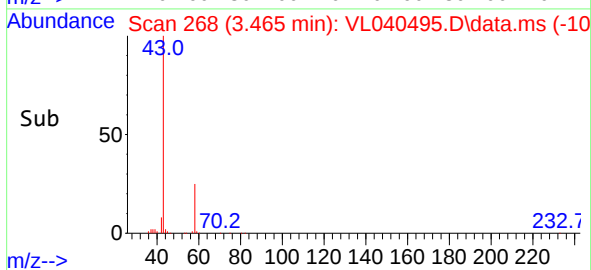
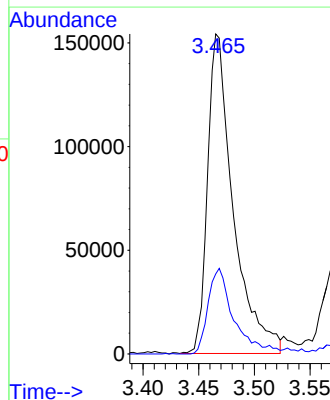
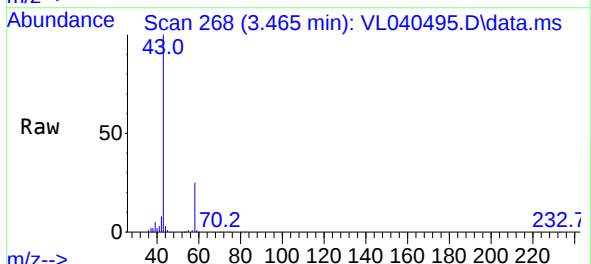
Instrument :
MSVOA_L
ClientSampleId :
SV-2DL

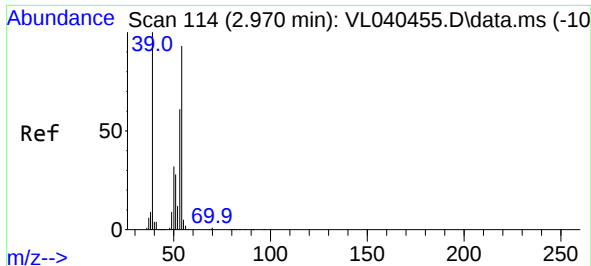
Tgt Ion: 45 Resp: 228743
Ion Ratio Lower Upper
45 100
46 37.2 14.5 58.1



#15
Acetone
Concen: 2.025 ppbv
RT: 3.465 min Scan# 268
Delta R.T. 0.010 min
Lab File: VL040495.D
Acq: 22 Jun 2023 21:26

Tgt Ion: 43 Resp: 247950
Ion Ratio Lower Upper
43 100
58 28.0 21.6 32.4

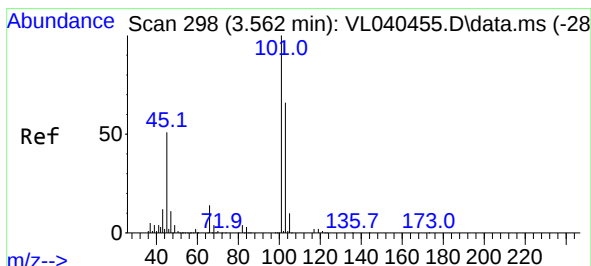
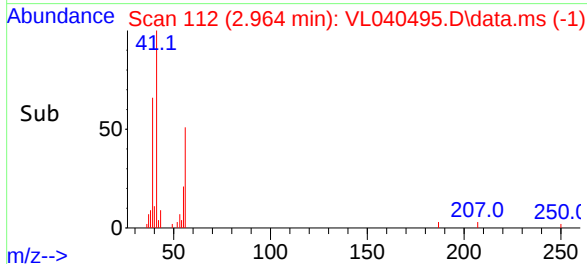
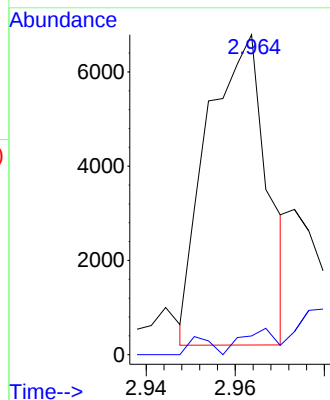
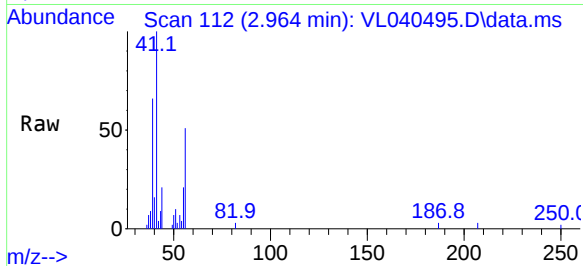




#16
1,3-Butadiene
Concen: 0.103 ppbv
RT: 2.964 min Scan# 114
Delta R.T. -0.006 min
Lab File: VL040495.D
Acq: 22 Jun 2023 21:26

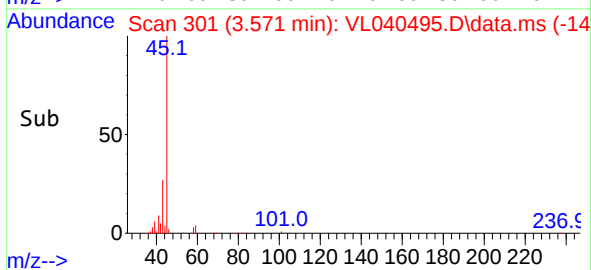
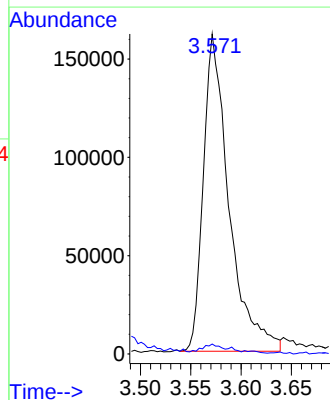
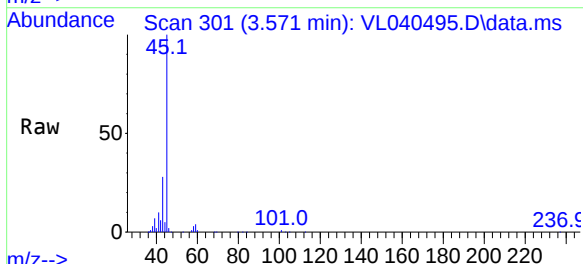
Instrument :
MSVOA_L
ClientSampleId :
SV-2DL

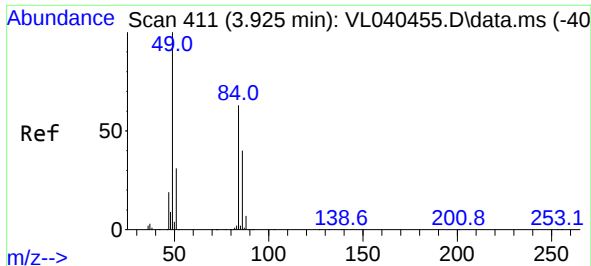
Tgt Ion: 39 Resp: 6153
Ion Ratio Lower Upper
39 100
54 0.0 66.9 100.3#



#19
Isopropyl Alcohol
Concen: 4.844 ppbv
RT: 3.571 min Scan# 301
Delta R.T. 0.010 min
Lab File: VL040495.D
Acq: 22 Jun 2023 21:26

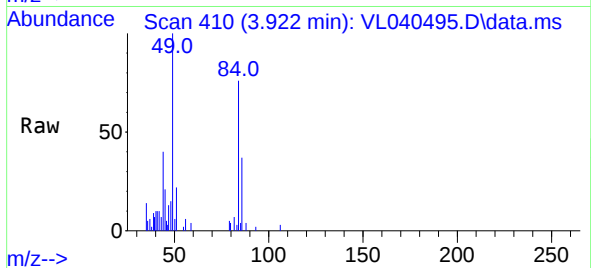
Tgt Ion: 45 Resp: 285936
Ion Ratio Lower Upper
45 100
58 4.0 2.6 4.0#





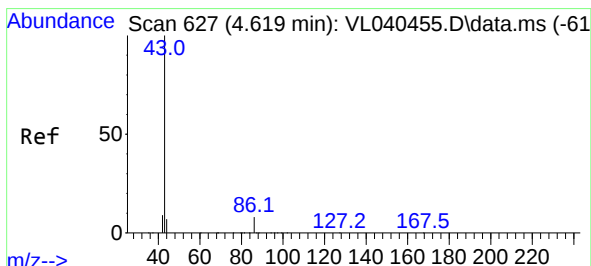
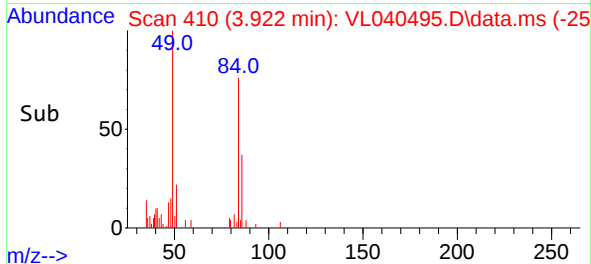
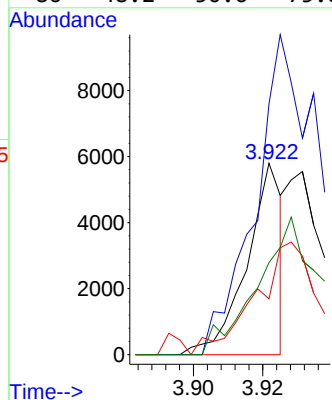
#20
Methylene Chloride
Concen: 0.078 ppbv
RT: 3.922 min Scan# 411
Delta R.T. -0.003 min
Lab File: VL040495.D
Acq: 22 Jun 2023 21:26

Instrument :
MSVOA_L
ClientSampleId :
SV-2DL



Tgt Ion: 84 Resp: 4078

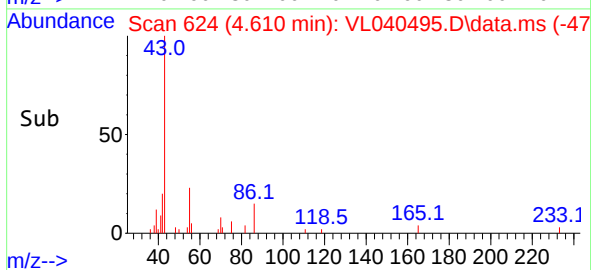
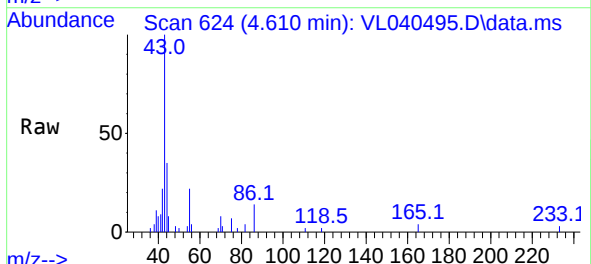
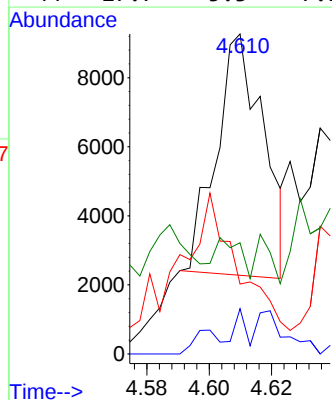
Ion	Ratio	Lower	Upper
84	100		
49	131.2	126.2	189.2
51	21.6	38.7	58.1#
86	48.2	50.6	75.8#

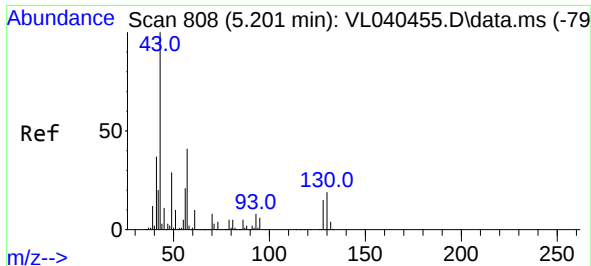


#23
Vinyl Acetate
Concen: 0.061 ppbv
RT: 4.610 min Scan# 624
Delta R.T. -0.010 min
Lab File: VL040495.D
Acq: 22 Jun 2023 21:26

Tgt Ion: 43 Resp: 7345

Ion	Ratio	Lower	Upper
43	100		
86	19.1	5.8	8.6#
42	15.9	7.4	11.2#
44	27.7	5.3	7.9#



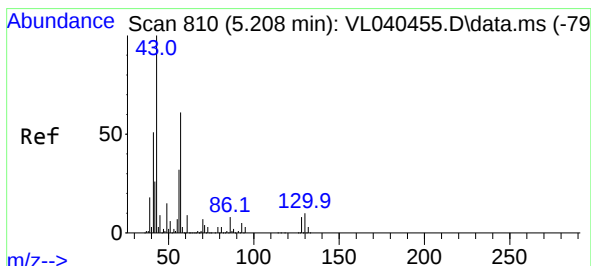
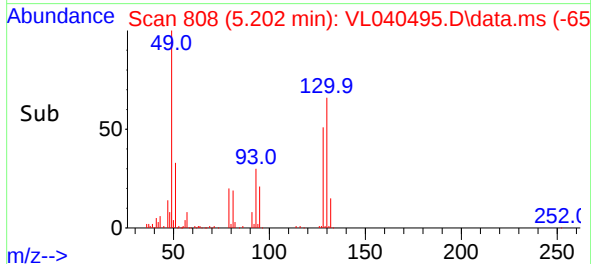
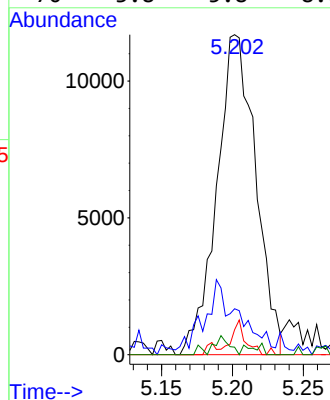
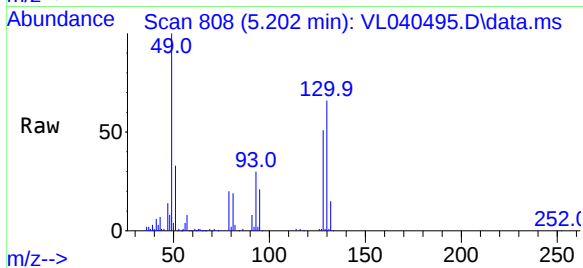


#25
Ethyl Acetate
Concen: 0.100 ppbv
RT: 5.202 min Scan# 808
Delta R.T. 0.000 min
Lab File: VL040495.D
Acq: 22 Jun 2023 21:26

Instrument :
MSVOA_L
ClientSampleId :
SV-2DL

Tgt Ion: 43 Resp: 22299

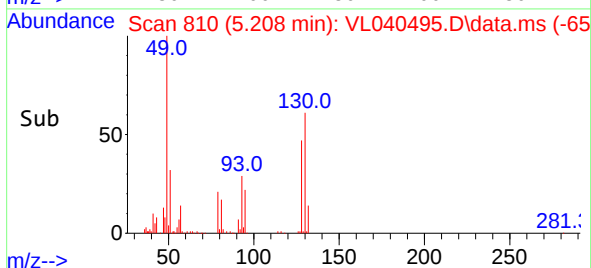
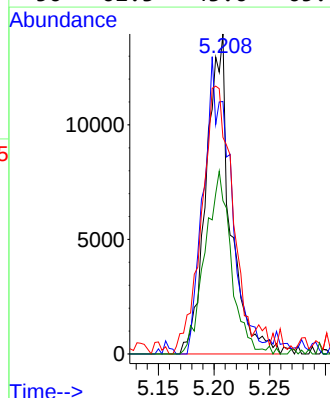
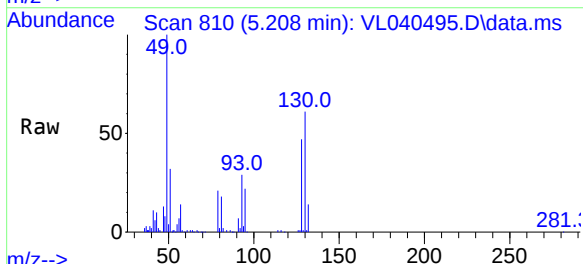
Ion	Ratio	Lower	Upper
43	100		
45	24.4	8.0	12.0#
61	5.0	8.1	12.1#
70	3.8	5.8	8.6#

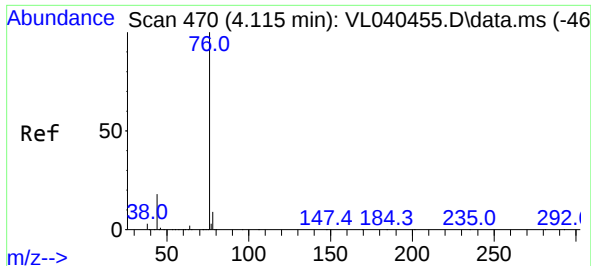


#26
Hexane
Concen: 0.200 ppbv
RT: 5.208 min Scan# 810
Delta R.T. 0.000 min
Lab File: VL040495.D
Acq: 22 Jun 2023 21:26

Tgt Ion: 57 Resp: 21058

Ion	Ratio	Lower	Upper
57	100		
41	110.2	73.0	109.6#
43	112.2	177.5	266.3#
56	62.3	43.6	65.4

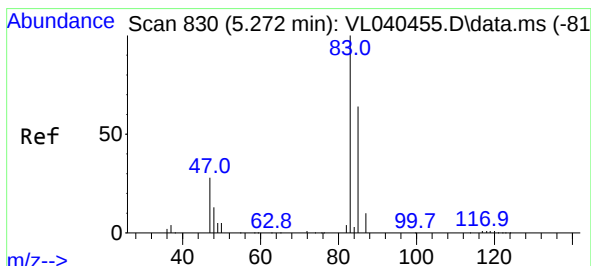
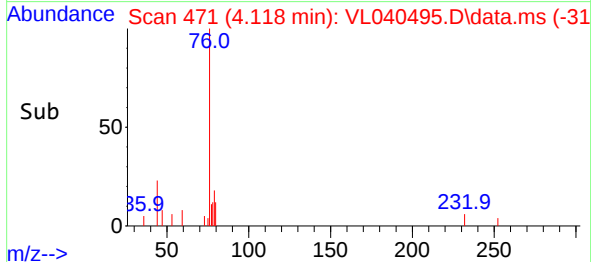
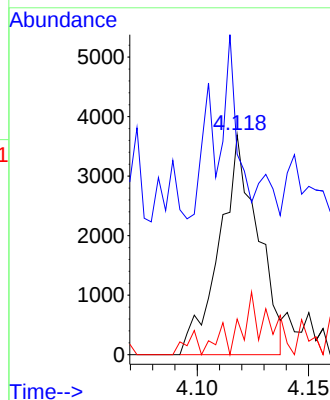
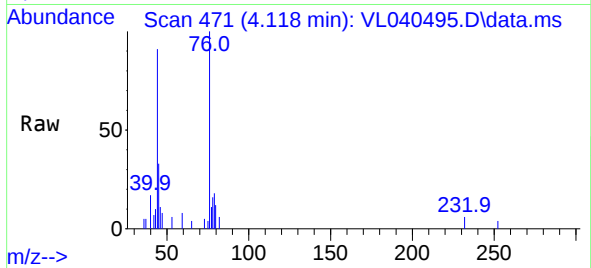




#27
Carbon Disulfide
Concen: 0.034 ppbv
RT: 4.118 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL040495.D
Acq: 22 Jun 2023 21:26

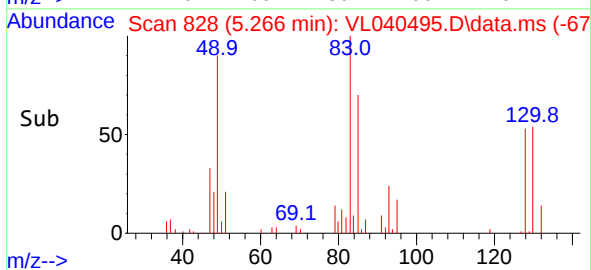
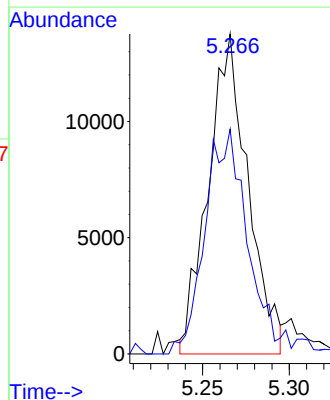
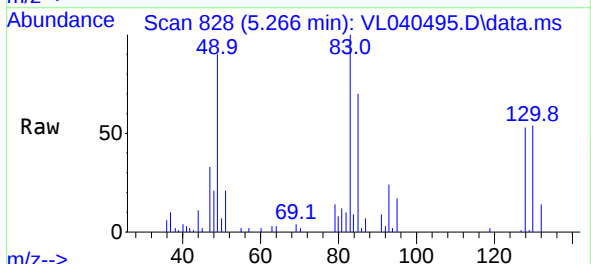
Instrument :
MSVOA_L
ClientSampleId :
SV-2DL

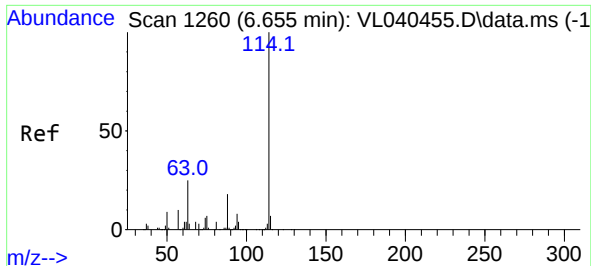
Tgt Ion: 76 Resp: 4428
Ion Ratio Lower Upper
76 100
44 95.3 14.6 22.0#
78 28.9 7.6 11.4#



#29
Chloroform
Concen: 0.122 ppbv
RT: 5.266 min Scan# 828
Delta R.T. -0.006 min
Lab File: VL040495.D
Acq: 22 Jun 2023 21:26

Tgt Ion: 83 Resp: 21925
Ion Ratio Lower Upper
83 100
85 70.0 51.1 76.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.642 min Scan# 11

Delta R.T. -0.013 min

Lab File: VL040495.D

Acq: 22 Jun 2023 21:26

Instrument :

MSVOA_L

ClientSampleId :

SV-2DL

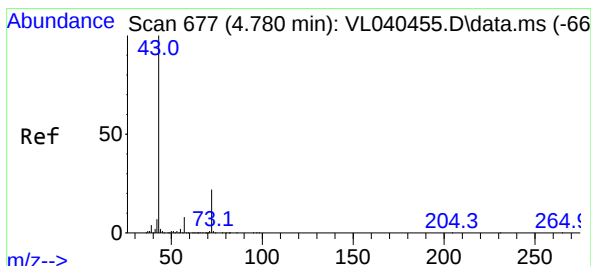
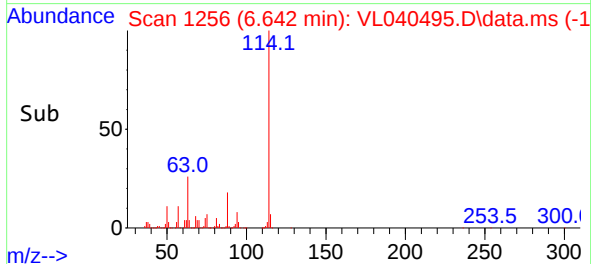
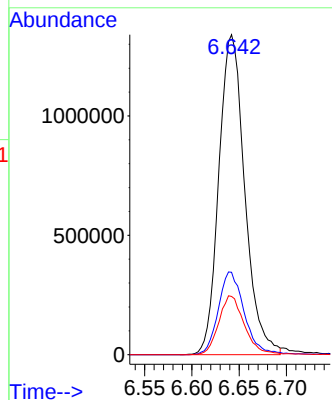
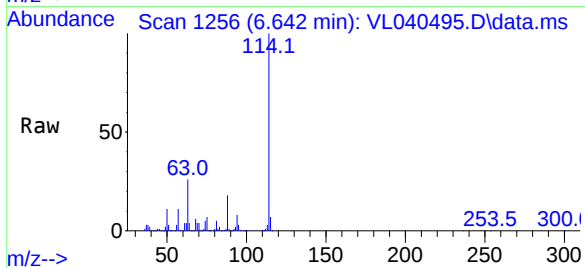
Tgt Ion:114 Resp: 2555661

Ion Ratio Lower Upper

114 100

63 26.3 21.0 31.6

88 18.4 14.5 21.7



#34

2-Butanone

Concen: 0.366 ppbv

RT: 4.784 min Scan# 678

Delta R.T. 0.003 min

Lab File: VL040495.D

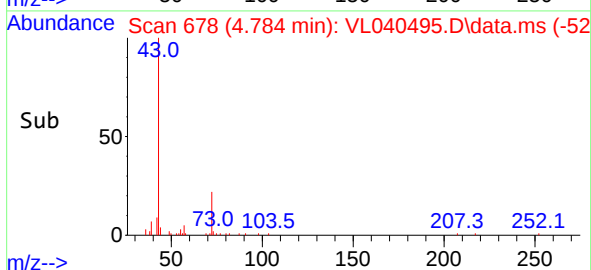
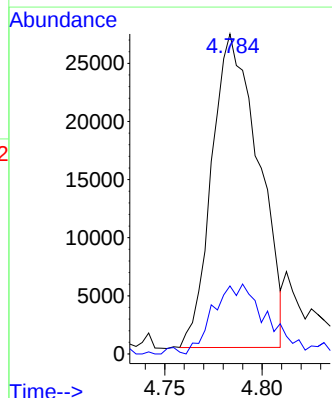
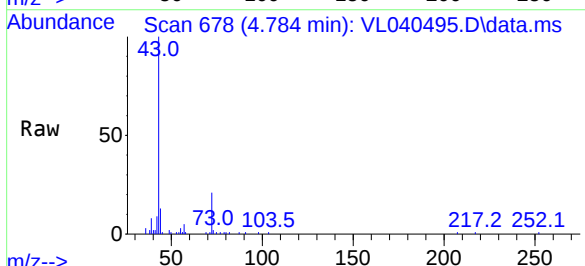
Acq: 22 Jun 2023 21:26

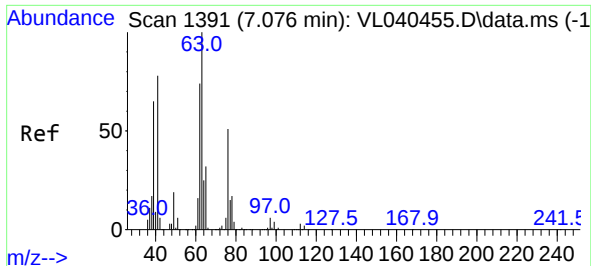
Tgt Ion: 43 Resp: 45092

Ion Ratio Lower Upper

43 100

72 28.5 18.1 27.1#





#39

1,2-Dichloropropane

Concen: 8.414 ppbv

RT: 6.639 min Scan# 11

Delta R.T. -0.437 min

Lab File: VL040495.D

Acq: 22 Jun 2023 21:26

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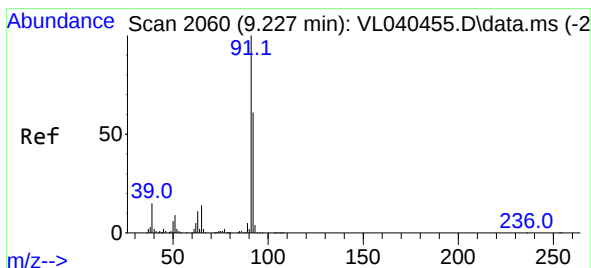
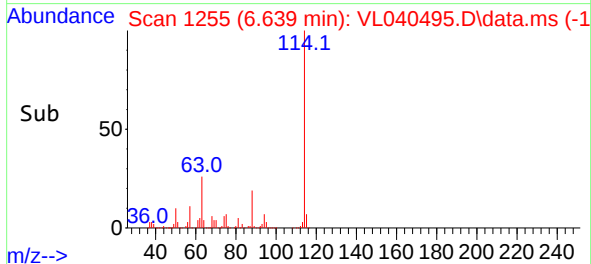
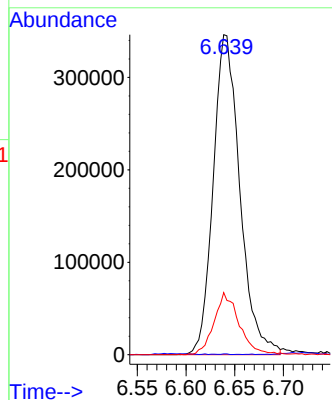
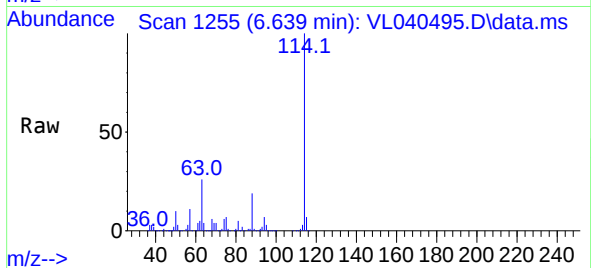
Tgt Ion: 63 Resp: 659353

Ion Ratio Lower Upper

63 100

41 0.0 62.2 93.2#

62 19.2 59.0 88.4#



#53

Toluene

Concen: 0.084 ppbv

RT: 9.211 min Scan# 2055

Delta R.T. -0.016 min

Lab File: VL040495.D

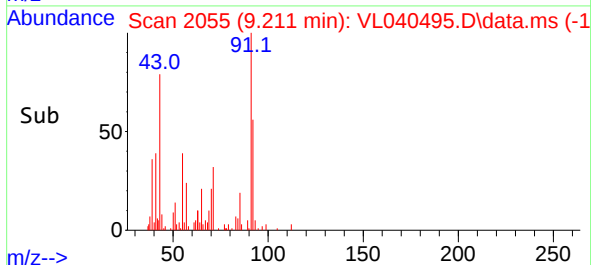
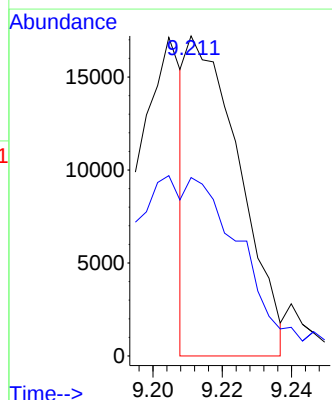
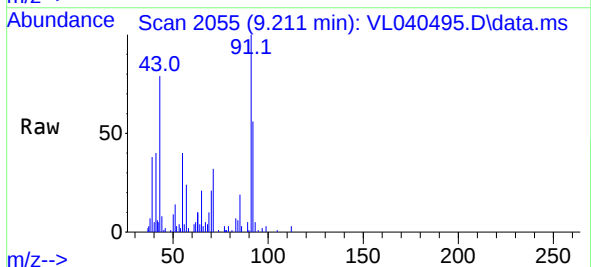
Acq: 22 Jun 2023 21:26

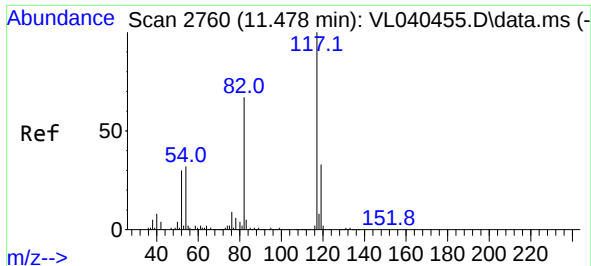
Tgt Ion: 91 Resp: 18029

Ion Ratio Lower Upper

91 100

92 0.0 49.1 73.7#

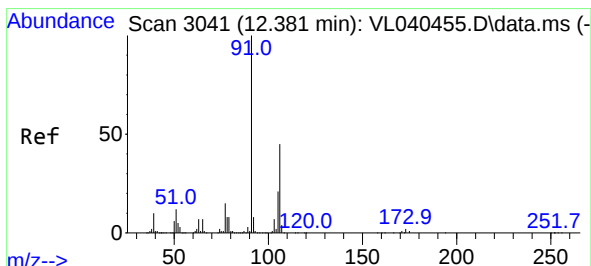
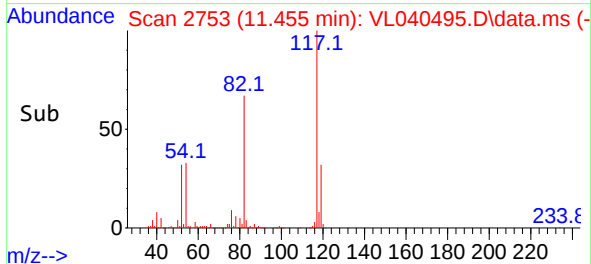
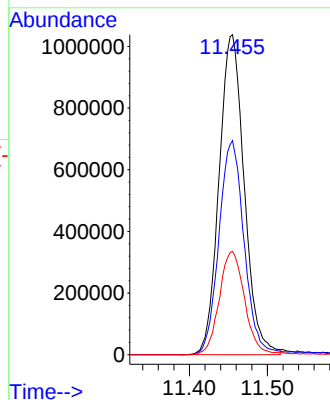
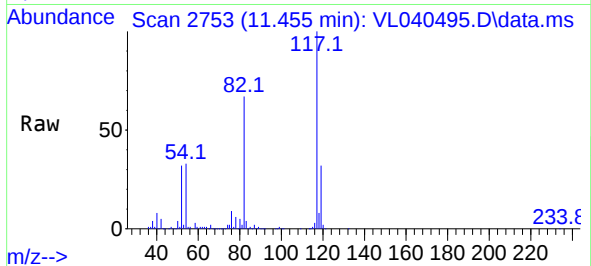




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.455 min Scan# 21
Delta R.T. -0.022 min
Lab File: VL040495.D
Acq: 22 Jun 2023 21:26

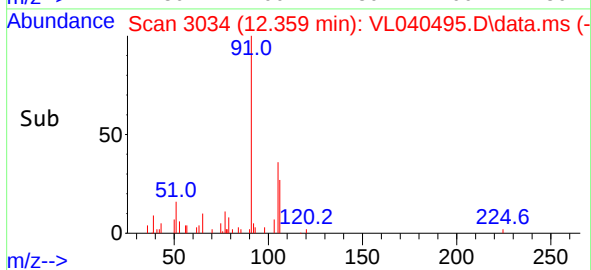
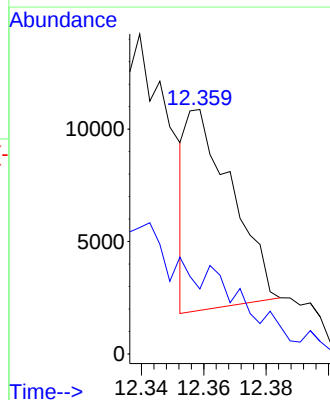
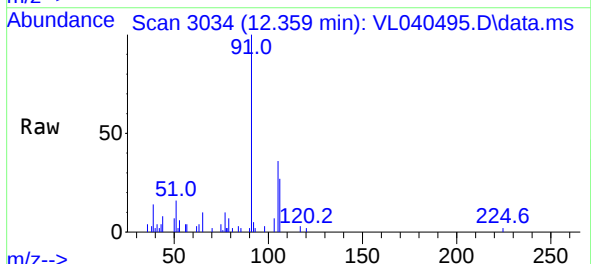
Instrument :
MSVOA_L
ClientSampleId :
SV-2DL

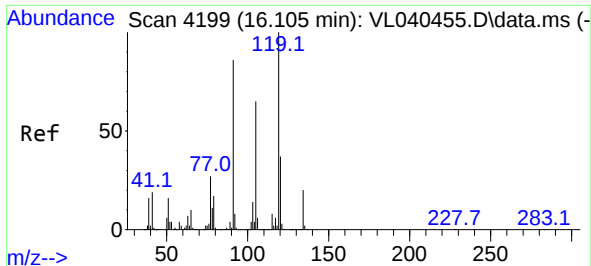
Tgt Ion:117 Resp: 2325261
Ion Ratio Lower Upper
117 100
82 68.7 53.0 79.4
119 32.9 24.4 36.6



#59
m/p-Xylene
Concen: 0.035 ppbv
RT: 12.359 min Scan# 3034
Delta R.T. -0.022 min
Lab File: VL040495.D
Acq: 22 Jun 2023 21:26

Tgt Ion: 91 Resp: 8990
Ion Ratio Lower Upper
91 100
106 0.0 34.6 52.0#

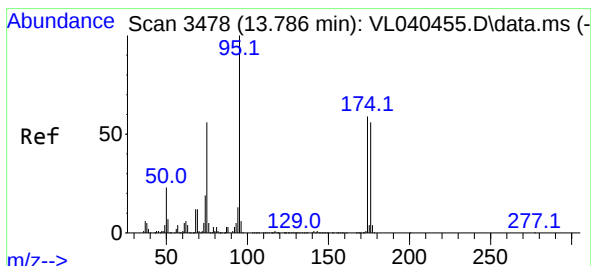
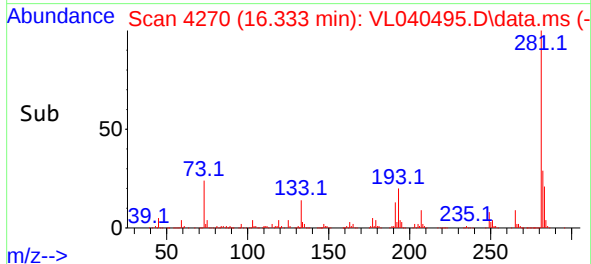
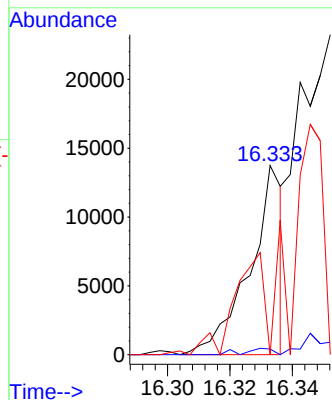
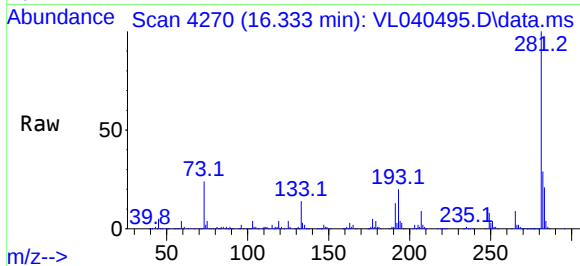




#65
tert-Butylbenzene
Concen: 0.032 ppbv
RT: 16.333 min Scan# 4199
Delta R.T. 0.228 min
Lab File: VL040495.D
Acq: 22 Jun 2023 21:26

Instrument :
MSVOA_L
ClientSampleId :
SV-2DL

Tgt Ion:119 Resp: 10004
Ion Ratio Lower Upper
119 100
91 1.0 70.5 105.7#
134 0.0 15.6 23.4#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.848 ppbv
RT: 13.764 min Scan# 3471
Delta R.T. -0.022 min
Lab File: VL040495.D
Acq: 22 Jun 2023 21:26

Tgt Ion: 95 Resp: 1889965
Ion Ratio Lower Upper
95 100
174 59.2 47.7 71.5
175 4.3 3.5 5.3

