

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050624\
 Data File : VL041229.D
 Acq On : 6 May 2024 22:16
 Operator : SY/MD
 Sample : P2353-01DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Quant Time: May 07 05:29:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue May 07 05:19:44 2024
 Response via : Initial Calibration

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

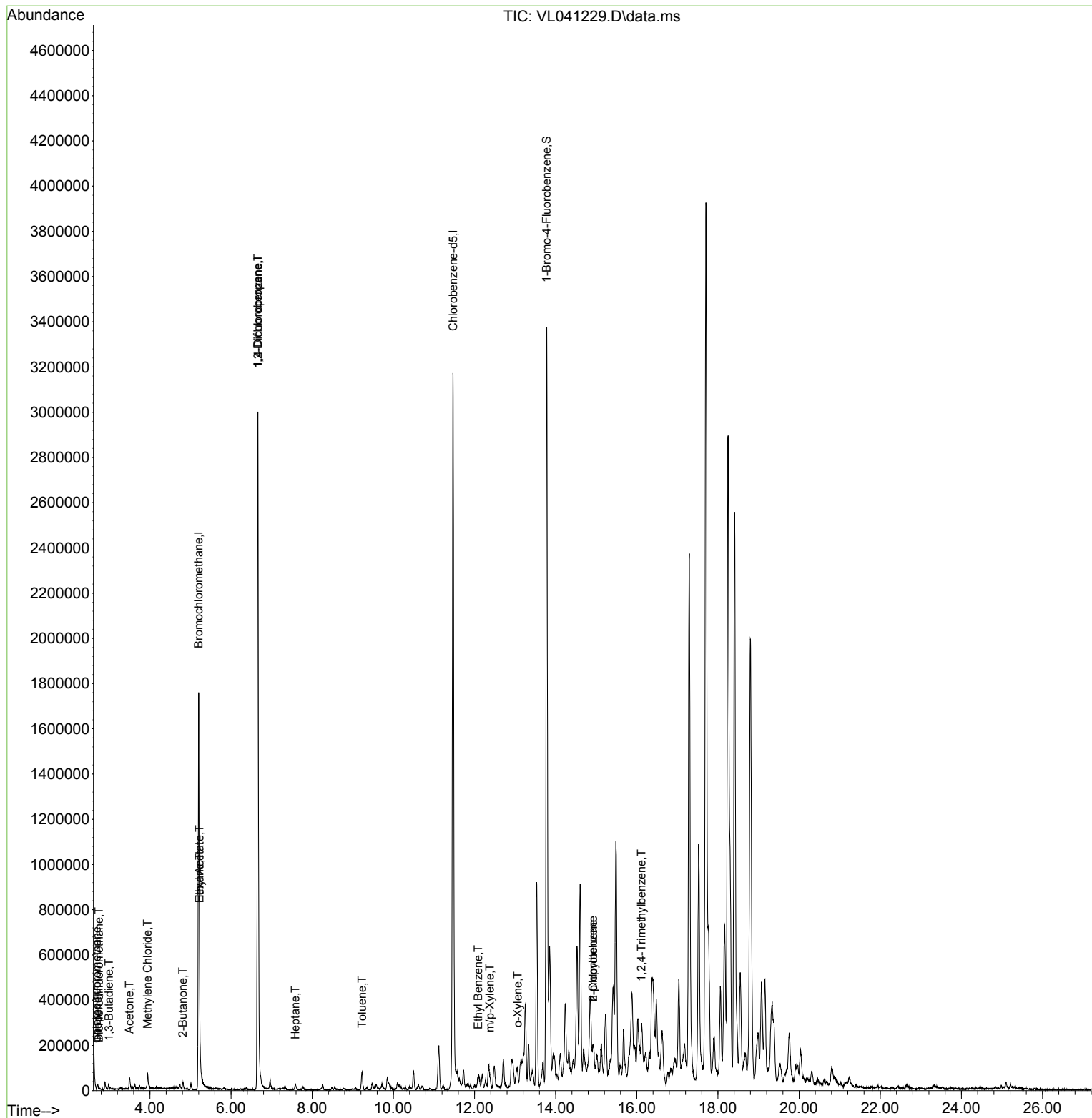
Internal Standards						
1) Bromochloromethane	5.201	49	866278	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2309462	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2110536	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1644953	10.324	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.742	85	3876	0.033	ppbv #	79
3) Chlorodifluoromethane	2.690	51	7020	0.053	ppbv #	87
9) Propene	2.710	41	5321	0.103	ppbv #	41
10) Heptane	7.584	43	8296	0.067	ppbv #	29
15) Acetone	3.494	43	55859	0.546	ppbv #	74
16) 1,3-Butadiene	2.986	39	2723	0.053	ppbv #	10
20) Methylene Chloride	3.944	84	19352	0.544	ppbv #	90
25) Ethyl Acetate	5.221	43	31093	0.152	ppbv #	77
26) Hexane	5.221	57	41343	0.454	ppbv #	41
34) 2-Butanone	4.809	43	14597	0.124	ppbv #	21
39) 1,2-Dichloropropane	6.658	63	589778	7.896	ppbv #	24
53) Toluene	9.227	91	60317	0.268	ppbv	96
58) Ethyl Benzene	12.092	91	20783	0.072	ppbv	92
59) m/p-Xylene	12.381	91	7387	0.030	ppbv #	31
60) o-Xylene	13.063	91	43624	0.191	ppbv	95
64) n-propylbenzene	14.921	120	2580	0.030	ppbv #	1
71) 2-Chlorotoluene	14.921	91	25395	0.098	ppbv	74
74) 1,2,4-Trimethylbenzene	16.114	105	31079	0.122	ppbv #	63

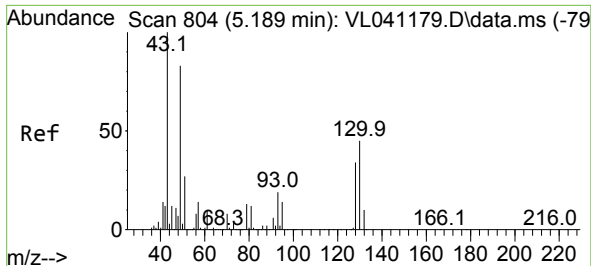
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050624\
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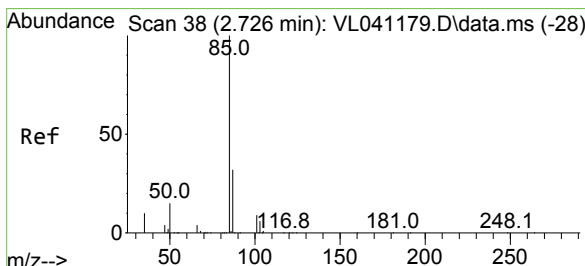
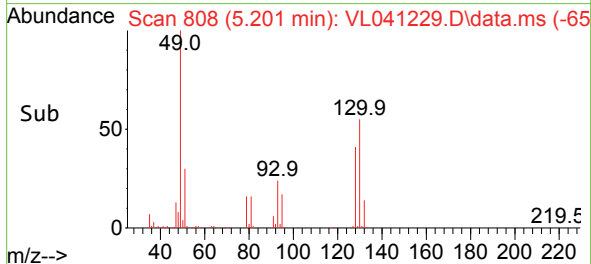
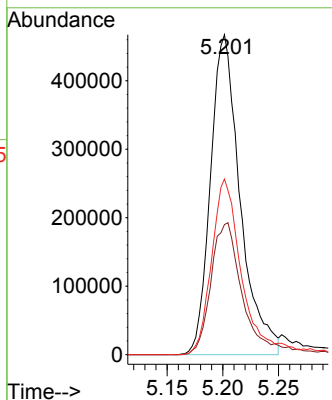
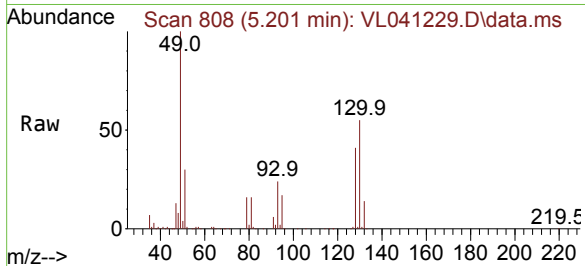




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.201 min Scan# 804
 Delta R.T. 0.006 min
 Lab File: VL041229.D
 Acq: 6 May 2024 22:16

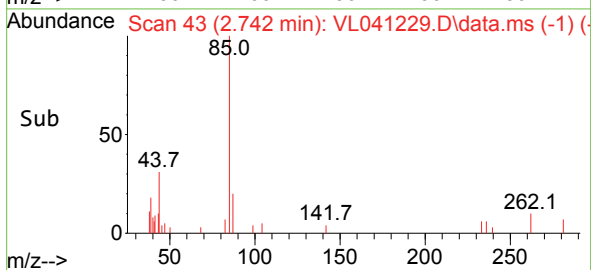
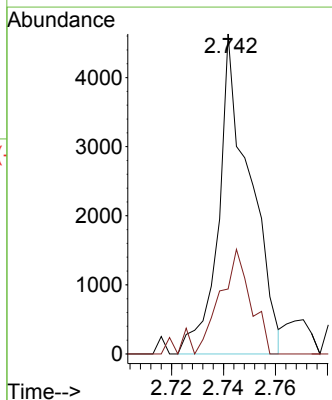
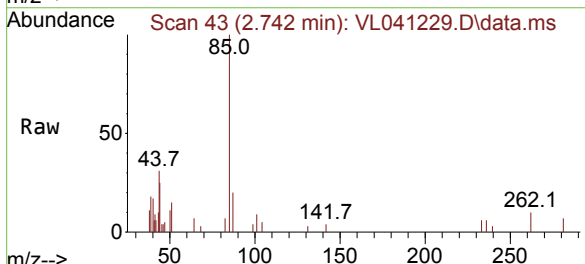
Instrument :
 MSVOA_L
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 SV1DL

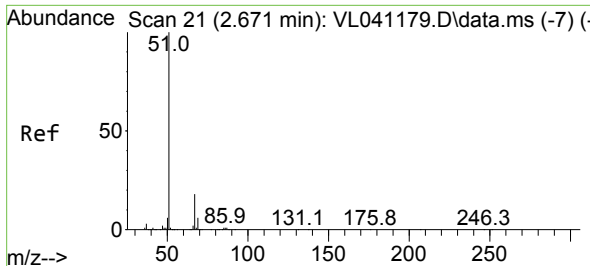
Tgt Ion: 49 Resp: 866278
 Ion Ratio Lower Upper
 49 100
 128 45.9 21.5 64.5
 130 58.3 27.2 81.6



#2
 Dichlorodifluoromethane
 Concen: 0.033 ppbv
 RT: 2.742 min Scan# 43
 Delta R.T. 0.003 min
 Lab File: VL041229.D
 Acq: 6 May 2024 22:16

Tgt Ion: 85 Resp: 3876
 Ion Ratio Lower Upper
 85 100
 87 20.3 25.7 38.5#

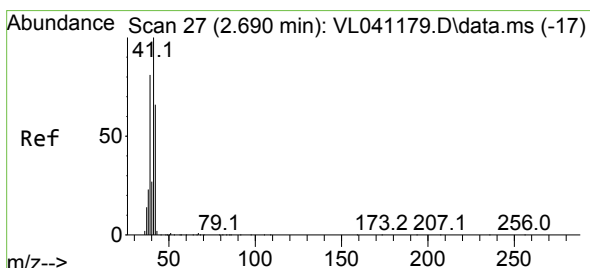
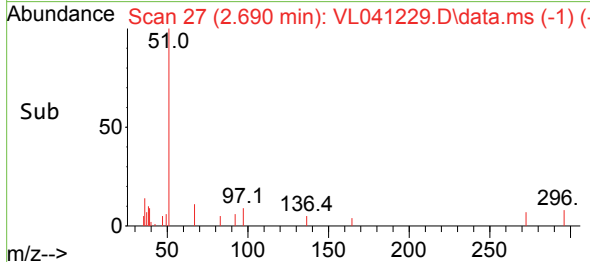
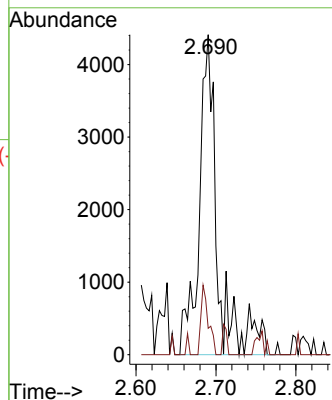
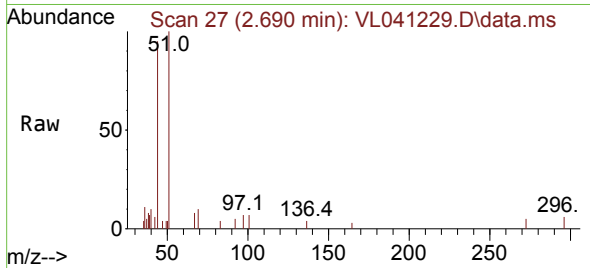




#3
Chlorodifluoromethane
Concen: 0.053 ppbv
RT: 2.690 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL041229.D
Acq: 6 May 2024 22:16

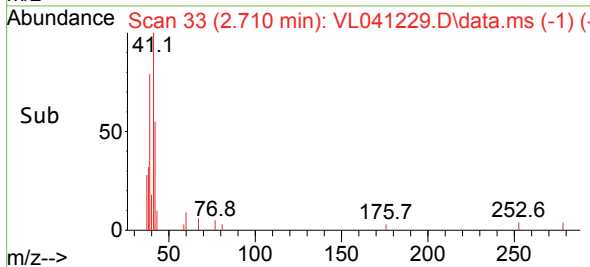
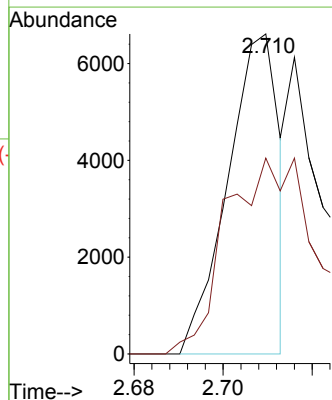
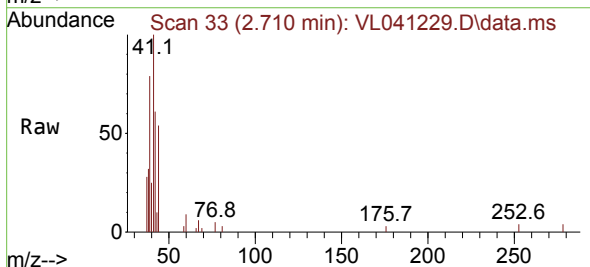
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

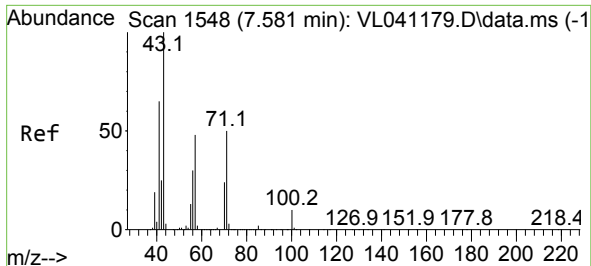
Tgt Ion: 51 Resp: 7020
Ion Ratio Lower Upper
51 100
67 11.8 14.0 21.0#



#9
Propene
Concen: 0.103 ppbv
RT: 2.710 min Scan# 33
Delta R.T. 0.007 min
Lab File: VL041229.D
Acq: 6 May 2024 22:16

Tgt Ion: 41 Resp: 5321
Ion Ratio Lower Upper
41 100
42 116.8 55.3 82.9#

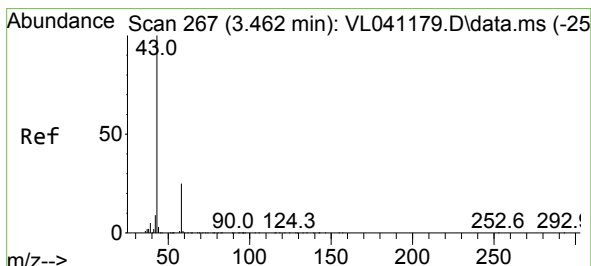
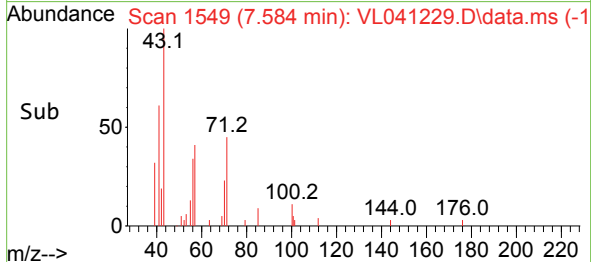
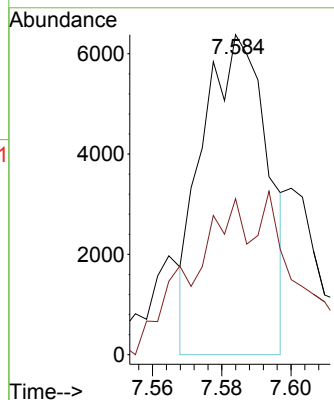
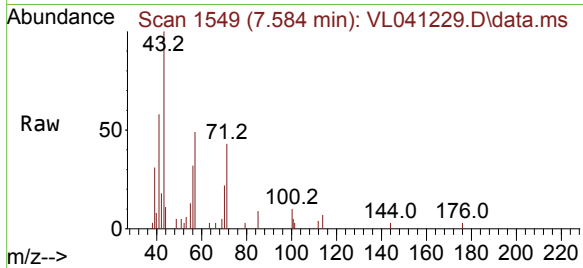




#10
 Heptane
 Concen: 0.067 ppbv
 RT: 7.584 min Scan# 11
 Delta R.T. 0.007 min
 Lab File: VL041229.D
 Acq: 6 May 2024 22:16

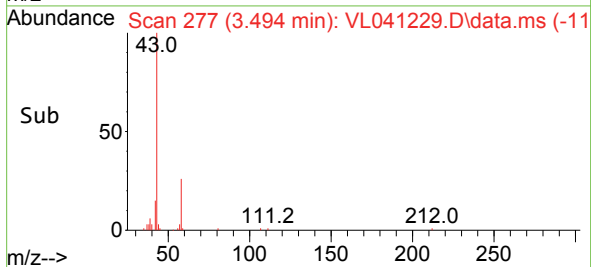
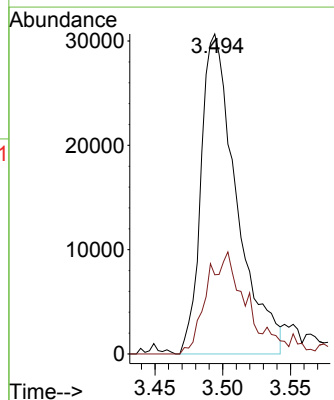
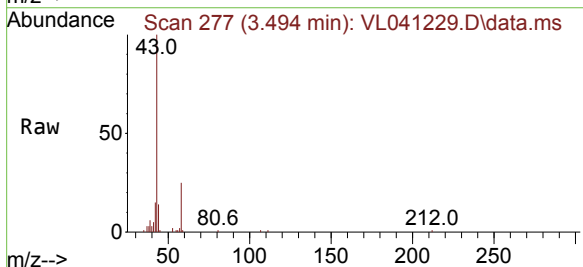
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

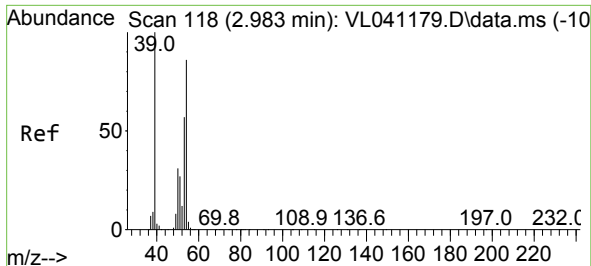
Tgt Ion: 43 Resp: 8296
 Ion Ratio Lower Upper
 43 100
 57 0.0 38.7 58.1#



#15
 Acetone
 Concen: 0.546 ppbv
 RT: 3.494 min Scan# 277
 Delta R.T. 0.019 min
 Lab File: VL041229.D
 Acq: 6 May 2024 22:16

Tgt Ion: 43 Resp: 55859
 Ion Ratio Lower Upper
 43 100
 58 40.1 21.4 32.0#

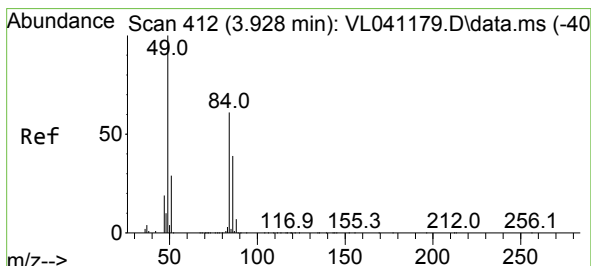
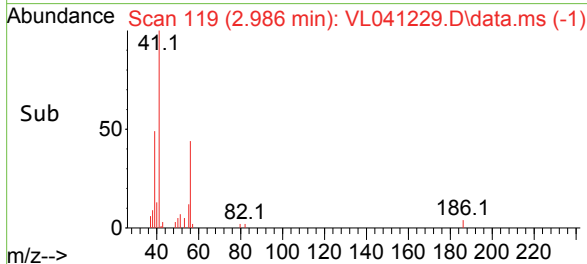
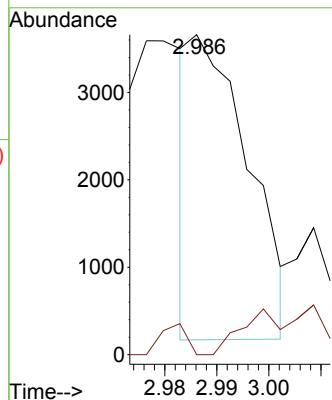
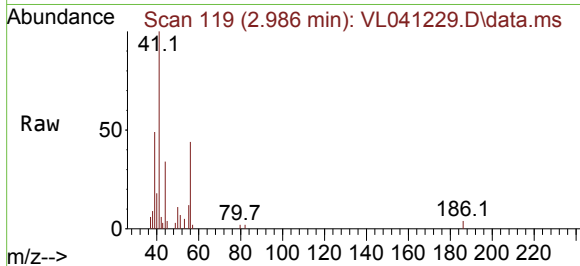




#16
1,3-Butadiene
Concen: 0.053 ppbv
RT: 2.986 min Scan# 118
Delta R.T. -0.006 min
Lab File: VL041229.D
Acq: 6 May 2024 22:16

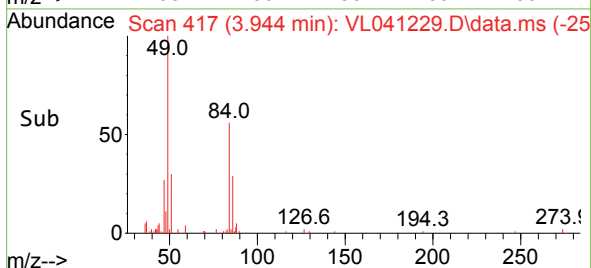
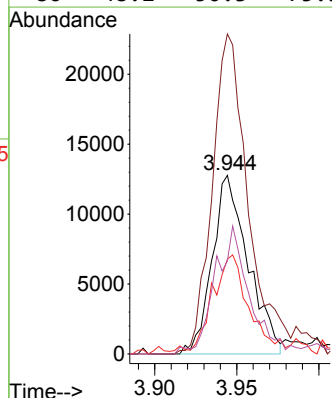
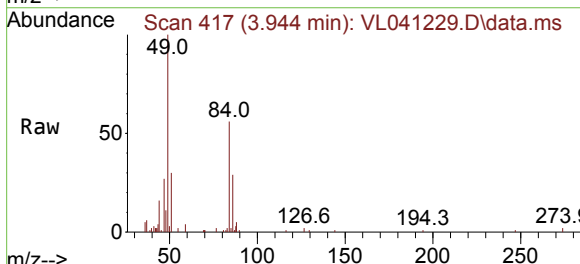
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

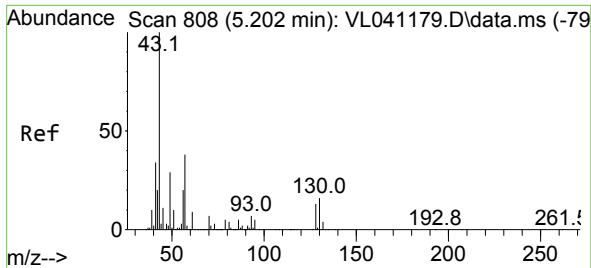
Tgt Ion: 39 Resp: 2723
Ion Ratio Lower Upper
39 100
54 0.0 62.2 93.4#



#20
Methylene Chloride
Concen: 0.544 ppbv
RT: 3.944 min Scan# 417
Delta R.T. 0.007 min
Lab File: VL041229.D
Acq: 6 May 2024 22:16

Tgt Ion: 84 Resp: 19352
Ion Ratio Lower Upper
84 100
49 175.7 130.4 195.6
51 48.6 38.0 57.0
86 48.2 50.3 75.5#

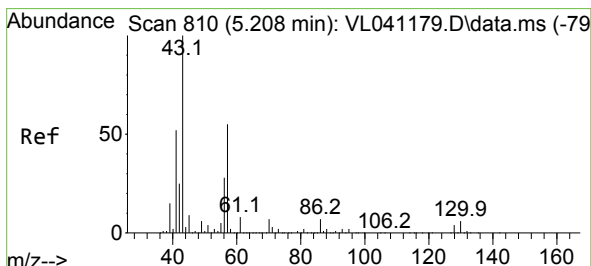
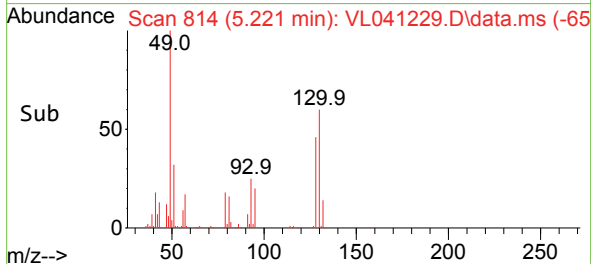
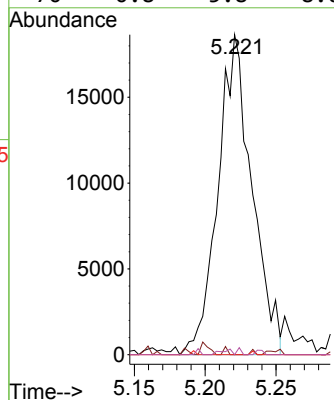
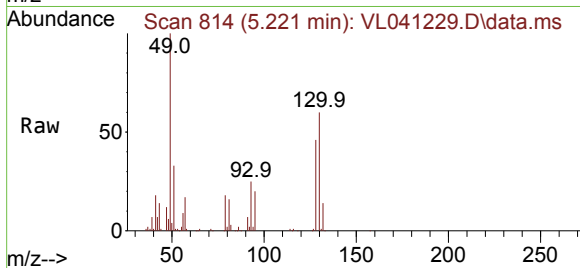




#25
Ethyl Acetate
Concen: 0.152 ppbv
RT: 5.221 min Scan# 814
Delta R.T. 0.016 min
Lab File: VL041229.D
Acq: 6 May 2024 22:16

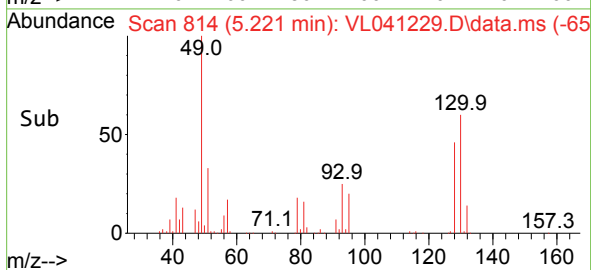
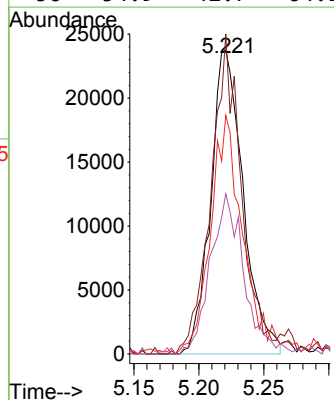
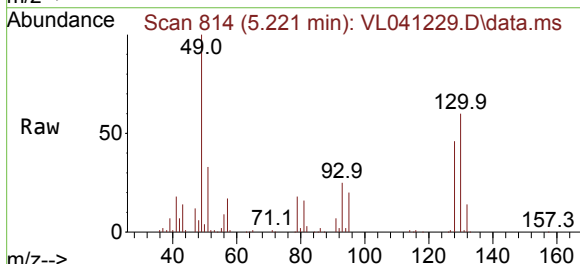
Instrument :
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ClientSampleId :
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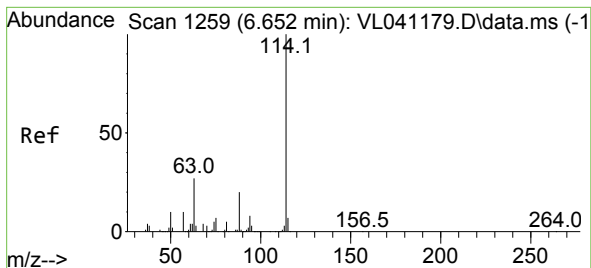
Tgt Ion:	43	Resp:	31093
Ion	Ratio	Lower	Upper
43	100		
45	1.5	8.2	12.2#
61	0.1	7.7	11.5#
70	0.8	5.8	8.6#



#26
Hexane
Concen: 0.454 ppbv
RT: 5.221 min Scan# 814
Delta R.T. 0.007 min
Lab File: VL041229.D
Acq: 6 May 2024 22:16

Tgt Ion:	57	Resp:	41343
Ion	Ratio	Lower	Upper
57	100		
41	105.1	75.8	113.8
43	80.3	187.0	280.4#
56	54.9	42.7	64.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.661 min Scan# 11

Delta R.T. 0.007 min

Lab File: VL041229.D

Acq: 6 May 2024 22:16

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

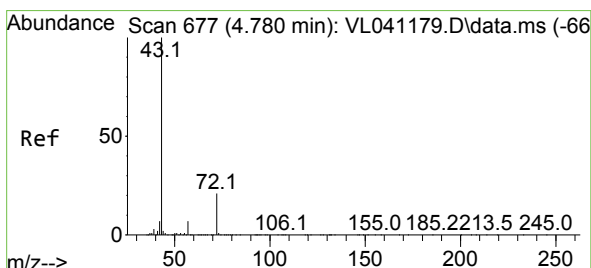
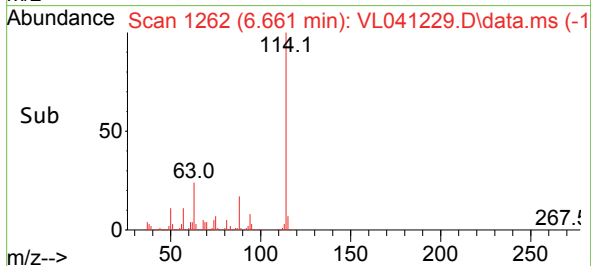
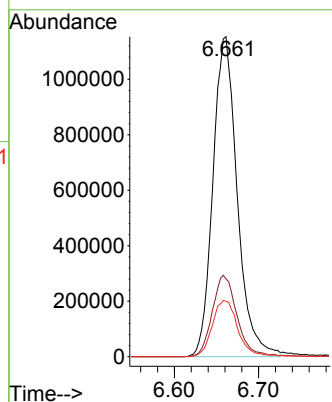
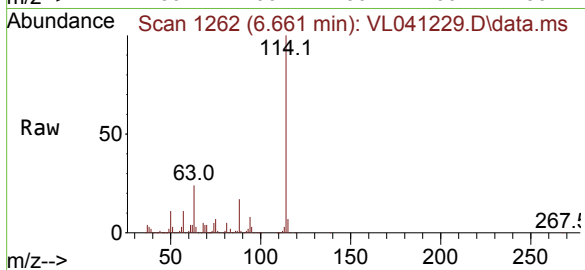
Tgt Ion:114 Resp: 2309462

Ion Ratio Lower Upper

114 100

63 26.3 21.8 32.6

88 18.8 15.2 22.8



#34

2-Butanone

Concen: 0.124 ppbv

RT: 4.809 min Scan# 686

Delta R.T. 0.023 min

Lab File: VL041229.D

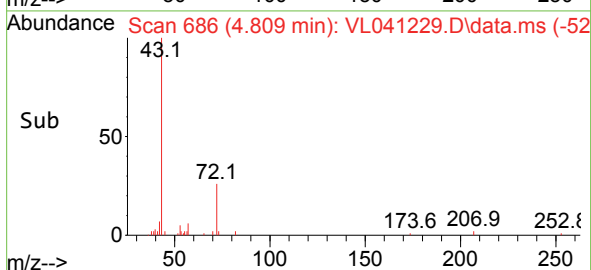
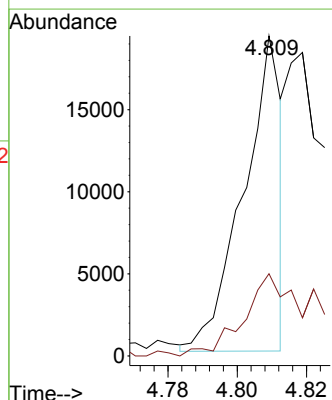
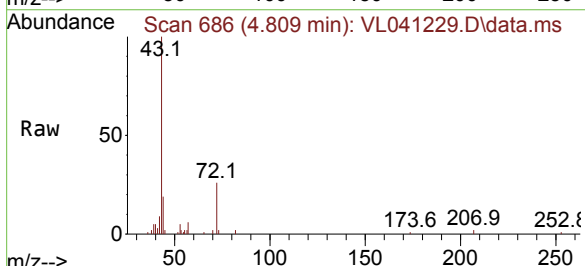
Acq: 6 May 2024 22:16

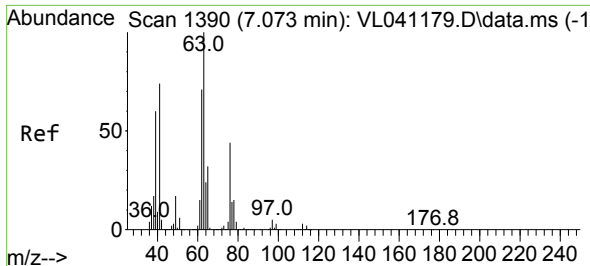
Tgt Ion: 43 Resp: 14597

Ion Ratio Lower Upper

43 100

72 58.9 17.3 25.9#





#39

1,2-Dichloropropane

Concen: 7.896 ppbv

RT: 6.658 min Scan# 1

Delta R.T. -0.415 min

Lab File: VL041229.D

Acq: 6 May 2024 22:16

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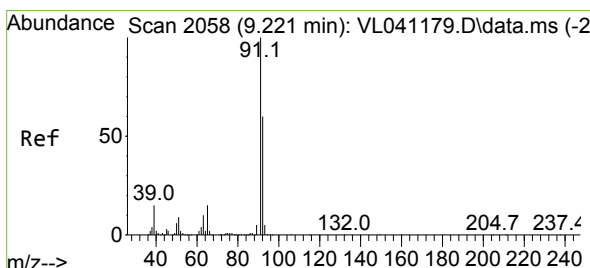
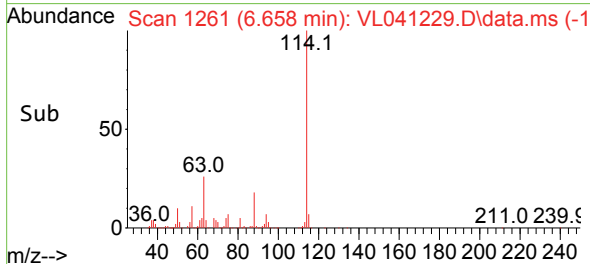
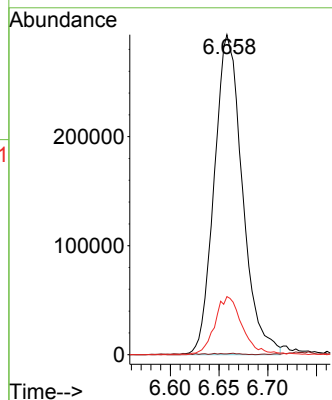
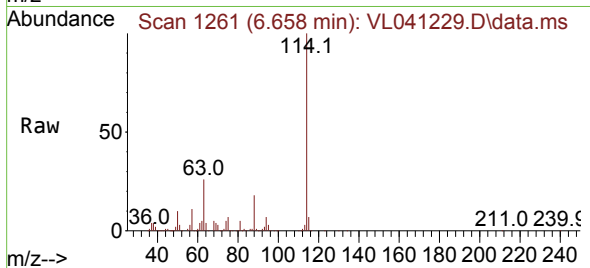
Tgt Ion: 63 Resp: 589778

Ion Ratio Lower Upper

63 100

41 0.1 59.4 89.0#

62 18.1 56.8 85.2#



#53

Toluene

Concen: 0.268 ppbv

RT: 9.227 min Scan# 2060

Delta R.T. 0.007 min

Lab File: VL041229.D

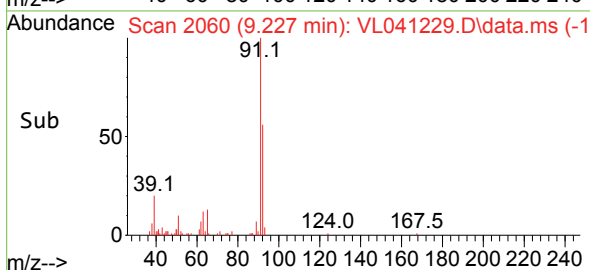
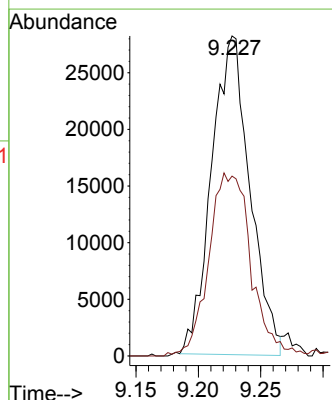
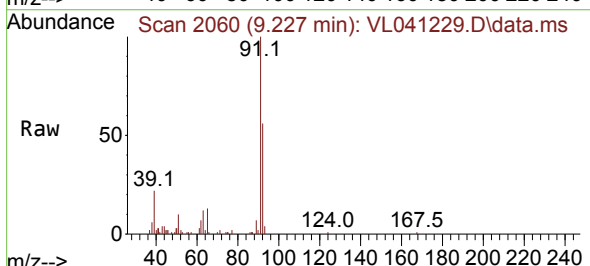
Acq: 6 May 2024 22:16

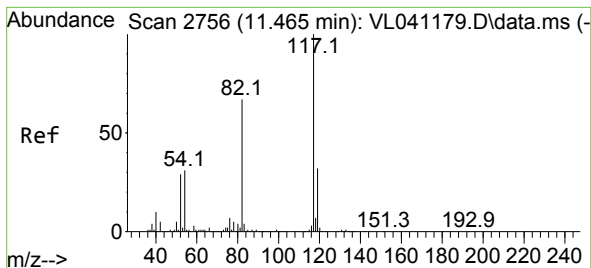
Tgt Ion: 91 Resp: 60317

Ion Ratio Lower Upper

91 100

92 63.6 48.2 72.4

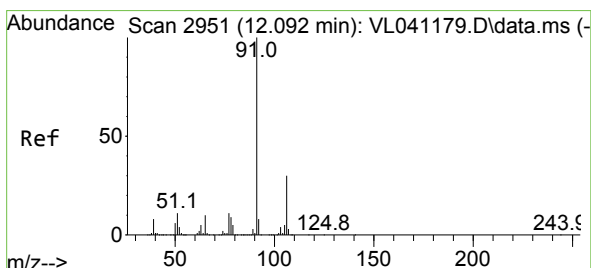
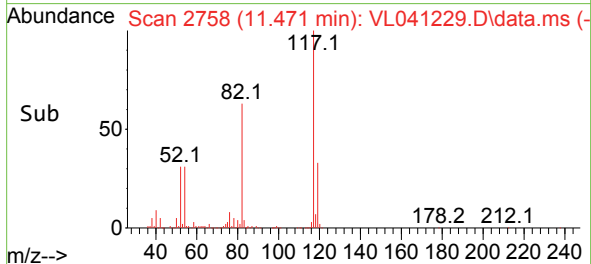
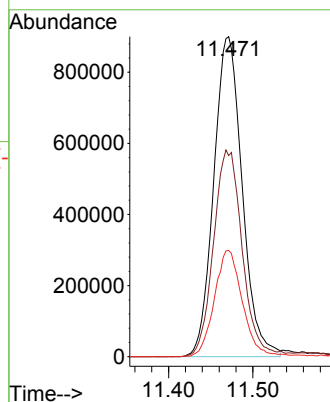
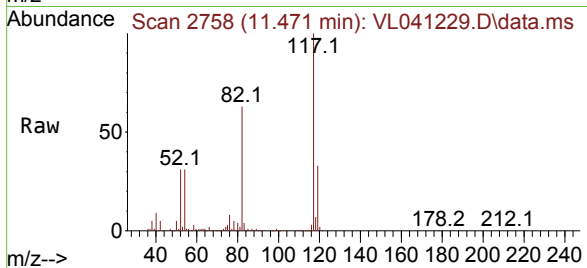




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 2110536
Delta R.T. 0.007 min
Lab File: VL041229.D
Acq: 6 May 2024 22:16

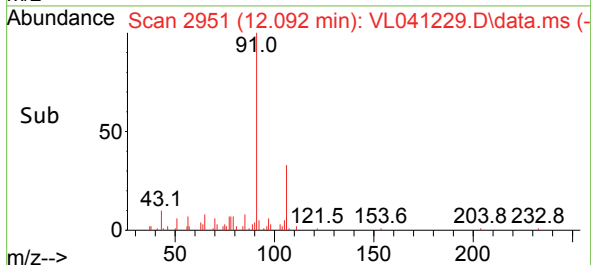
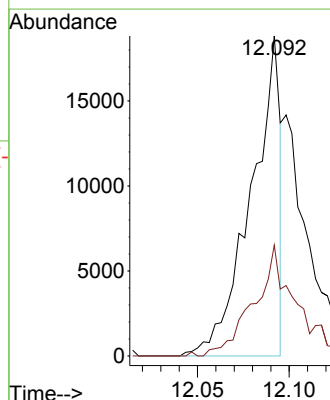
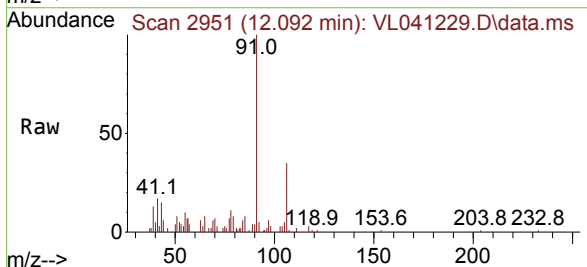
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

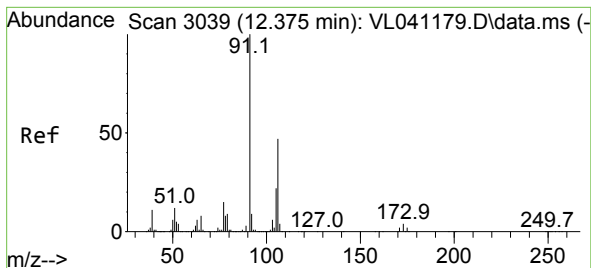
Tgt Ion:117 Resp: 2110536
Ion Ratio Lower Upper
117 100
82 65.6 53.6 80.4
119 33.0 27.2 40.8



#58
Ethyl Benzene
Concen: 0.072 ppbv
RT: 12.092 min Scan# 2951
Delta R.T. 0.007 min
Lab File: VL041229.D
Acq: 6 May 2024 22:16

Tgt Ion: 91 Resp: 20783
Ion Ratio Lower Upper
91 100
106 34.6 24.3 36.5





#59

m/p-Xylene

Concen: 0.030 ppbv

RT: 12.381 min Scan# 3039

Delta R.T. 0.013 min

Lab File: VL041229.D

Acq: 6 May 2024 22:16

Instrument :

MSVOA_L

ClientSampleId :

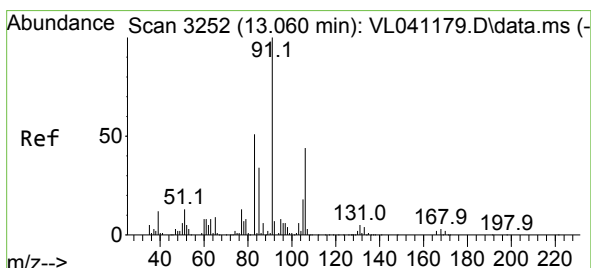
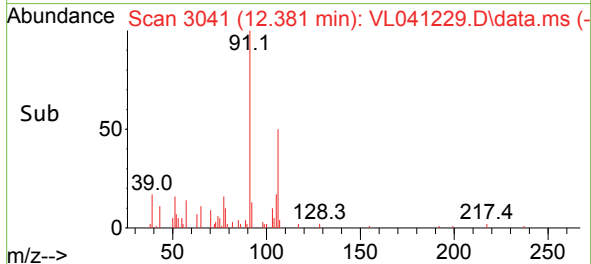
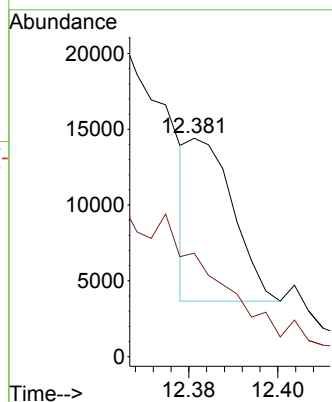
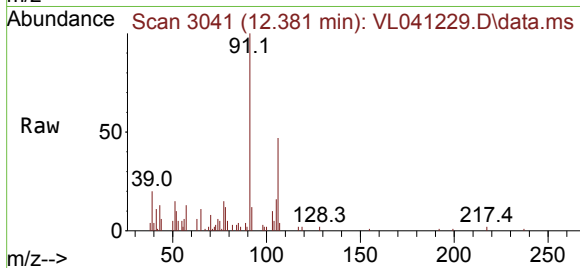
SV1DL

Tgt Ion: 91 Resp: 7387

Ion Ratio Lower Upper

91 100

106 0.0 35.7 53.5#



#60

o-Xylene

Concen: 0.191 ppbv

RT: 13.063 min Scan# 3253

Delta R.T. 0.007 min

Lab File: VL041229.D

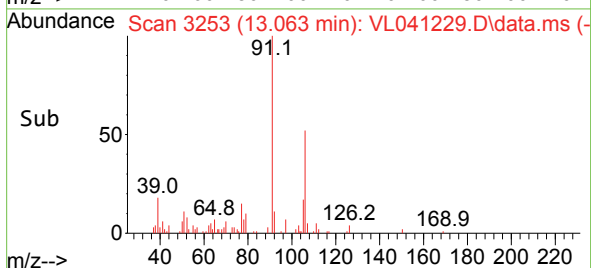
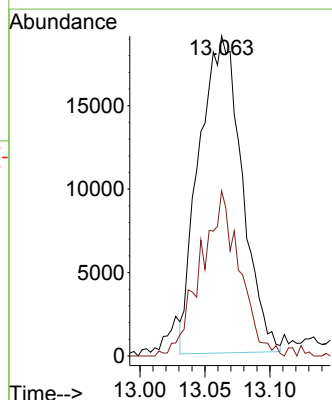
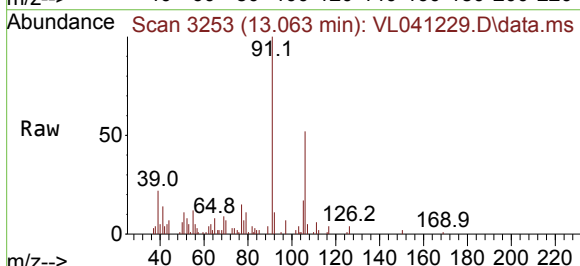
Acq: 6 May 2024 22:16

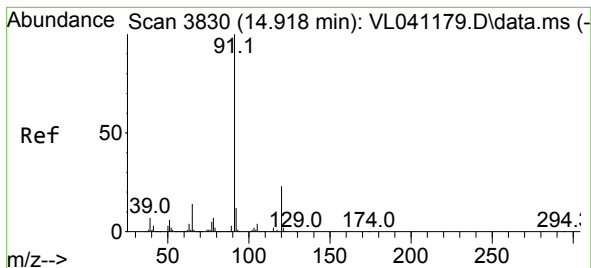
Tgt Ion: 91 Resp: 43624

Ion Ratio Lower Upper

91 100

106 48.0 22.4 67.3





#64

n-propylbenzene

Concen: 0.030 ppbv

RT: 14.921 min Scan# 3831

Delta R.T. 0.010 min

Lab File: VL041229.D

Acq: 6 May 2024 22:16

Instrument :

MSVOA_L

ClientSampleId :

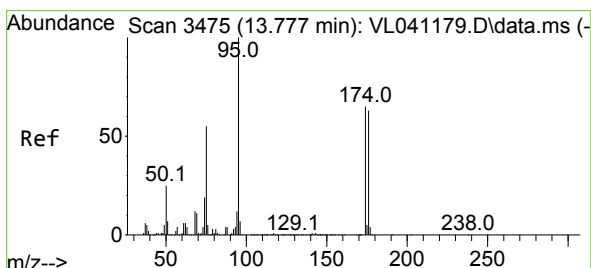
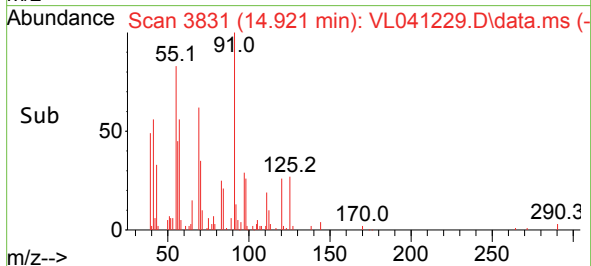
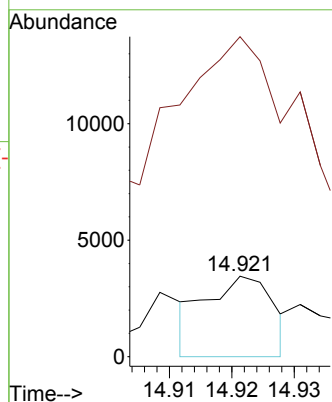
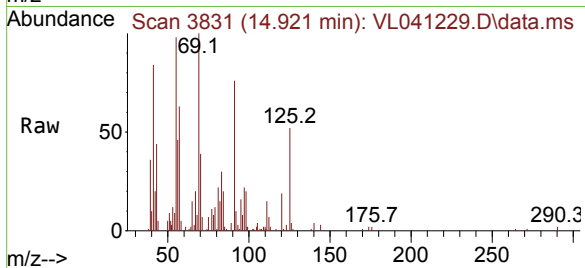
SV1DL

Tgt Ion:120 Resp: 2580

Ion Ratio Lower Upper

120 100

91 1368.3 384.8 577.2#



#68

1-Bromo-4-Fluorobenzene

Concen: 10.324 ppbv

RT: 13.777 min Scan# 3475

Delta R.T. 0.003 min

Lab File: VL041229.D

Acq: 6 May 2024 22:16

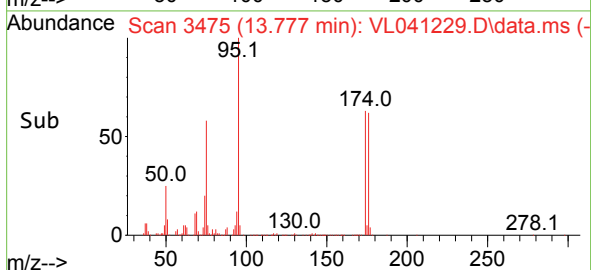
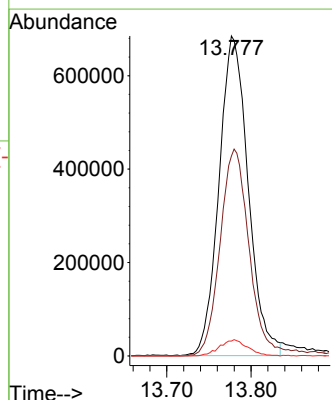
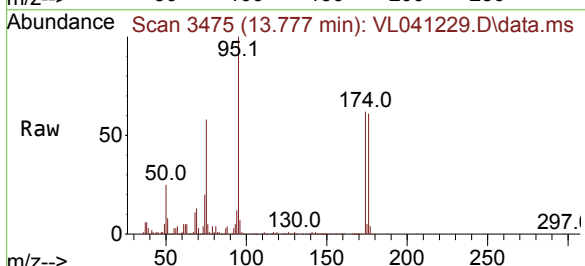
Tgt Ion: 95 Resp: 1644953

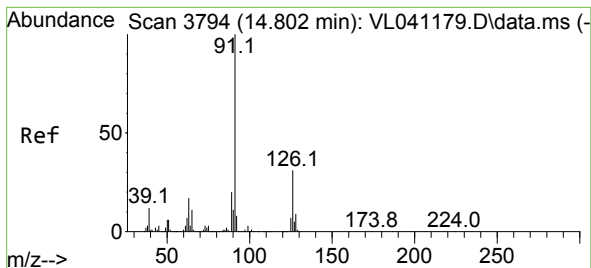
Ion Ratio Lower Upper

95 100

174 67.3 53.6 80.4

175 5.1 4.2 6.4

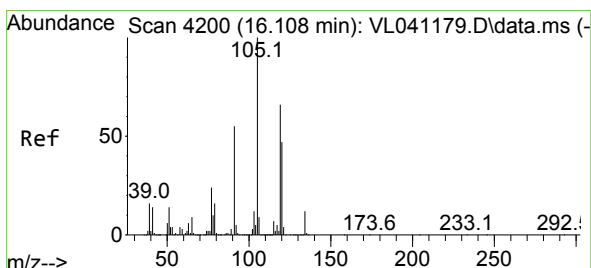
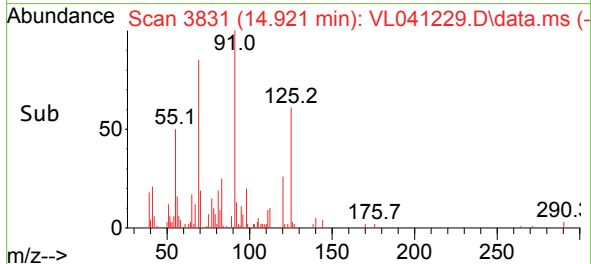
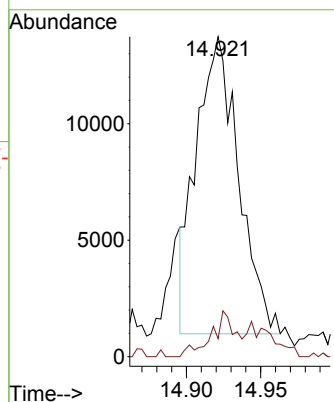
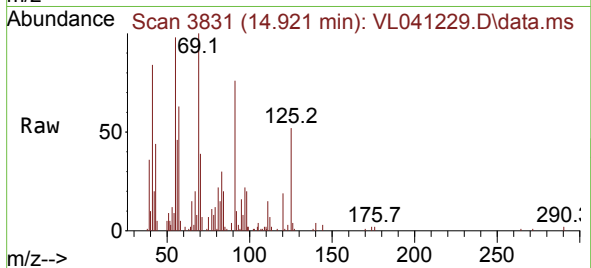




#71
2-Chlorotoluene
Concen: 0.098 ppbv
RT: 14.921 min Scan# 3831
Delta R.T. 0.126 min
Lab File: VL041229.D
Acq: 6 May 2024 22:16

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 91 Resp: 25395
Ion Ratio Lower Upper
91 100
126 16.1 12.2 48.8



#74
1,2,4-Trimethylbenzene
Concen: 0.122 ppbv
RT: 16.114 min Scan# 4202
Delta R.T. 0.010 min
Lab File: VL041229.D
Acq: 6 May 2024 22:16

Tgt Ion: 105 Resp: 31079
Ion Ratio Lower Upper
105 100
120 35.0 37.8 56.6#
91 12.5 44.3 66.5#
77 11.7 19.0 28.4#

