

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020724\
 Data File : VL041042.D
 Acq On : 7 Feb 2024 16:02
 Operator : SY/MD
 Sample : P1392-02 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1

Quant Time: Feb 08 02:44:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Feb 08 02:04:13 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.172	49	1038220	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.632	114	2648079	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.442	117	2429781	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.754	95	1910992	10.413	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.100%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.713	85	55718	0.243	ppbv	91
3) Chlorodifluoromethane	2.636	51	255669	1.464	ppbv #	63
4) Chloromethane	2.793	50	44589	0.681	ppbv	96
7) Chloroethane	3.182	64	946	0.041	ppbv #	27
9) Propene	2.677	41	604081	10.546	ppbv	90
10) Heptane	7.555	43	547259	3.882	ppbv	100
11) Trichlorofluoromethane	3.542	101	13432	0.073	ppbv	90
12) 1,1,2-Trichlorotrifluo...	4.044	101	3488	0.026	ppbv #	61
13) Ethanol	3.227	45	30675	2.247	ppbv #	45
15) Acetone	3.452	43	416940	3.140	ppbv #	47
16) 1,3-Butadiene	2.951	39	578143	9.103	ppbv #	23
17) tert-Butyl alcohol	3.880	59	6325	0.058	ppbv #	71
18) 1,1-Dichloroethene	3.864	96	11087	0.193	ppbv #	80
20) Methylene Chloride	3.912	84	291046	5.697	ppbv	96
21) Allyl Chloride	4.214	41	24398	0.302	ppbv #	55
23) Vinyl Acetate	4.600	43	16203	0.118	ppbv #	2
24) 1,1-Dichloroethane	4.542	63	36995	0.305	ppbv #	93
25) Ethyl Acetate	5.192	43	285599	1.186	ppbv #	88
26) Hexane	5.192	57	288503	2.812	ppbv #	46
27) Carbon Disulfide	4.105	76	26954	0.202	ppbv #	86
28) Methyl tert-Butyl Ether	4.568	73	20615	0.242	ppbv #	75
29) Chloroform	5.253	83	23347	0.128	ppbv	90
30) Cyclohexane	6.581	84	54365	0.632	ppbv #	90
31) cis-1,2-Dichloroethene	5.057	61	56495	0.587	ppbv	95
32) 1,1,1-Trichloroethane	5.983	97	423209	2.433	ppbv	97
34) 2-Butanone	4.767	43	534447	4.236	ppbv	97
36) Benzene	6.349	78	207109	0.947	ppbv	98
39) 1,2-Dichloropropane	6.632	63	667074	7.743	ppbv #	23
41) Tetrahydrofuran	5.796	42	7829	0.091	ppbv #	40
43) Methyl Methacrylate	7.458	69	3577	0.042	ppbv #	1
44) 2,2,4-Trimethylpentane	7.307	57	18493	0.050	ppbv #	41
50) 4-Methyl-2-Pentanone	8.166	43	15470	0.070	ppbv #	1
51) 2-Hexanone	9.545	43	74120	0.463	ppbv #	97
52) Tetrachloroethene	10.593	164	7187	0.099	ppbv #	83
53) Toluene	9.198	91	1522674	6.356	ppbv	100
58) Ethyl Benzene	12.066	91	105661	0.324	ppbv	97
59) m/p-Xylene	12.343	91	88545	0.311	ppbv #	32
60) o-Xylene	13.027	91	90369	0.331	ppbv	99
61) Styrene	12.876	104	73040	0.583	ppbv	93
69) p-Isopropyltoluene	16.969	119	8186	0.021	ppbv #	1
72) 4-Ethyltoluene	15.166	105	7140	0.023	ppbv #	1
73) 1,3,5-Trimethylbenzene	15.326	105	12343	0.046	ppbv #	50
74) 1,2,4-Trimethylbenzene	16.085	105	82611	0.269	ppbv #	63

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Sample : P1392-02 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

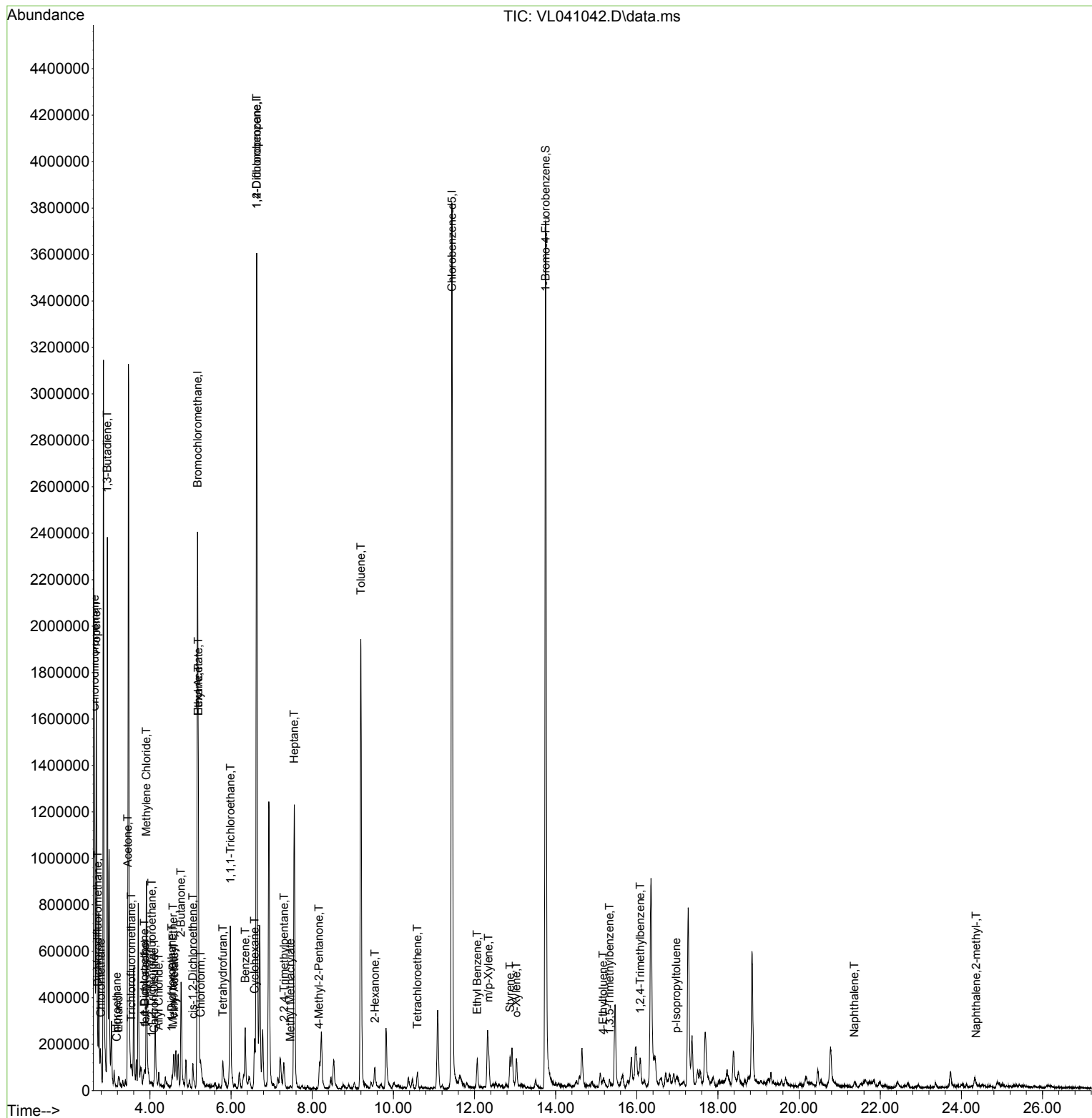
Instrument :
MSVOA_L
ClientSampleId :
SV-1

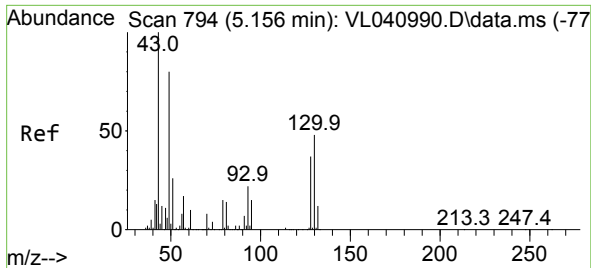
Quant Time: Feb 08 02:44:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Thu Feb 08 02:04:13 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Naphthalene	21.361	128	11832	0.068	ppbv #	79
80) Naphthalene,2-methyl-	24.365	142	4169	0.136	ppbv #	1

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

Quant Time: Feb 08 02:44:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Feb 08 02:04:13 2024
Response via : Initial Calibration

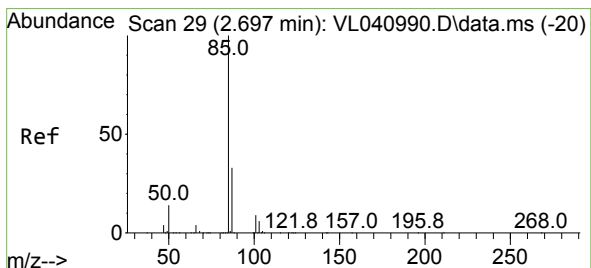
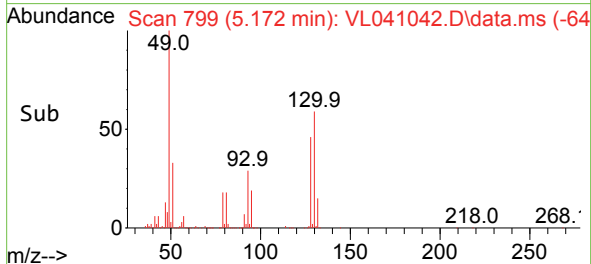
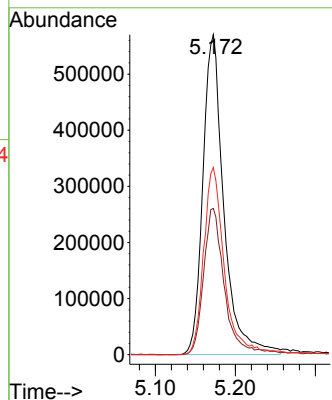
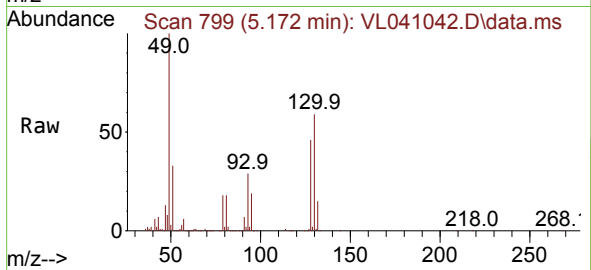




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.172 min Scan# 794
 Delta R.T. 0.006 min
 Lab File: VL041042.D
 Acq: 7 Feb 2024 16:02

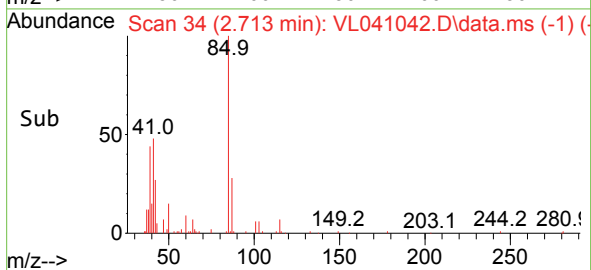
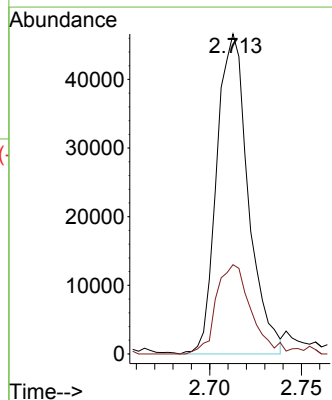
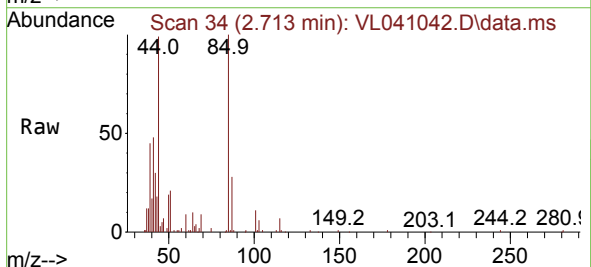
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1

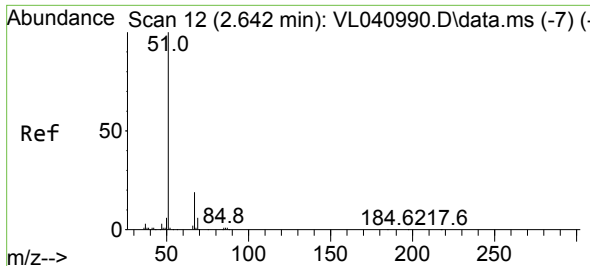
Tgt Ion: 49 Resp: 1038220
 Ion Ratio Lower Upper
 49 100
 128 46.6 23.9 71.7
 130 58.5 31.1 93.5



#2
 Dichlorodifluoromethane
 Concen: 0.243 ppbv
 RT: 2.713 min Scan# 34
 Delta R.T. 0.010 min
 Lab File: VL041042.D
 Acq: 7 Feb 2024 16:02

Tgt Ion: 85 Resp: 55718
 Ion Ratio Lower Upper
 85 100
 87 27.9 26.3 39.5

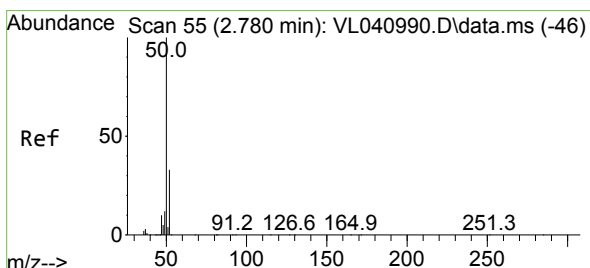
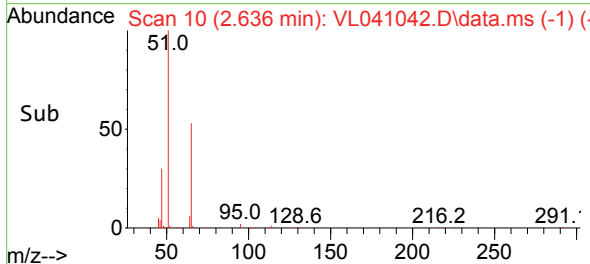
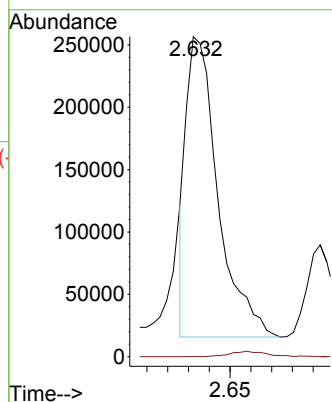
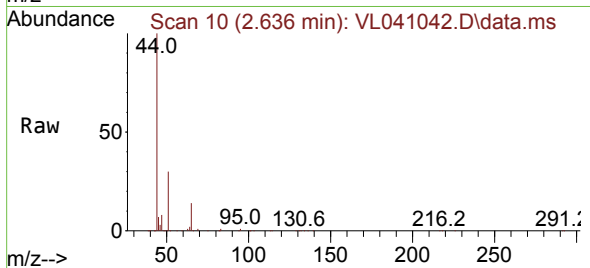




#3
Chlorodifluoromethane
Concen: 1.464 ppbv
RT: 2.636 min Scan# 10
Delta R.T. -0.013 min
Lab File: VL041042.D
Acq: 7 Feb 2024 16:02

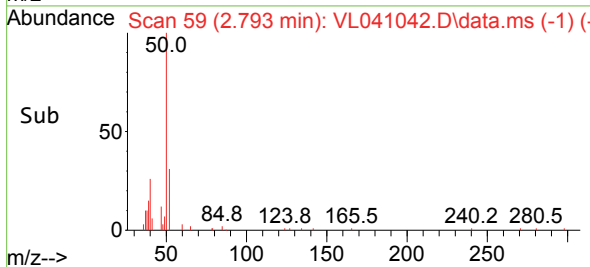
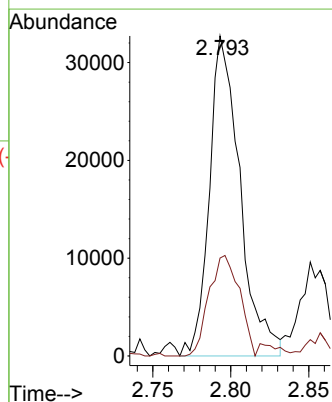
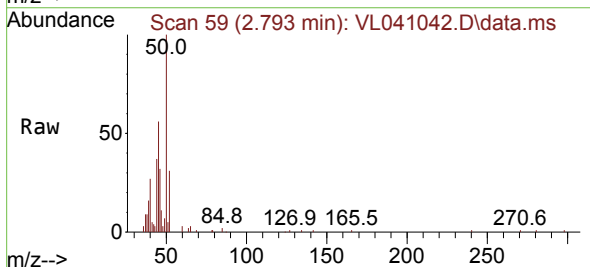
Instrument :
MSVOA_L
ClientSampleId :
SV-1

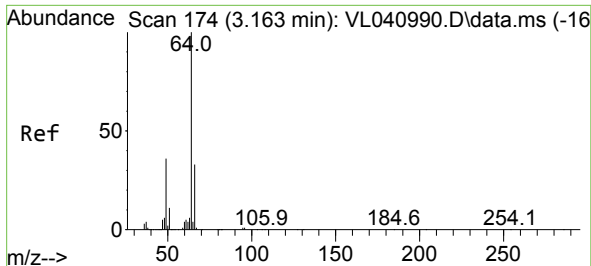
Tgt Ion: 51 Resp: 255669
Ion Ratio Lower Upper
51 100
67 2.1 14.8 22.2#



#4
Chloromethane
Concen: 0.681 ppbv
RT: 2.793 min Scan# 59
Delta R.T. 0.006 min
Lab File: VL041042.D
Acq: 7 Feb 2024 16:02

Tgt Ion: 50 Resp: 44589
Ion Ratio Lower Upper
50 100
52 30.6 26.2 39.4

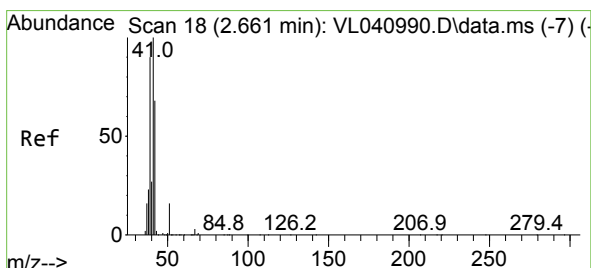
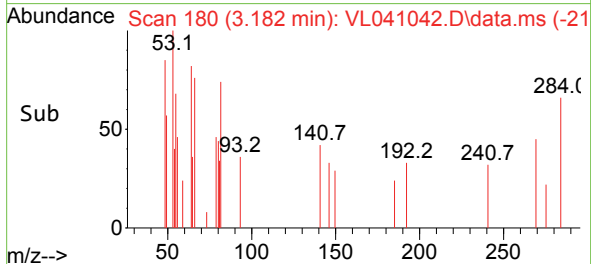
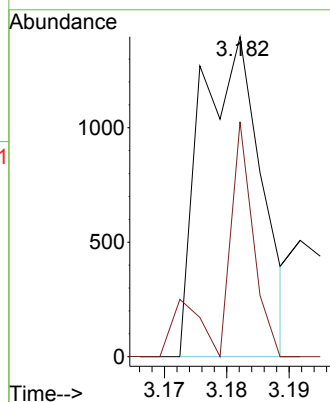
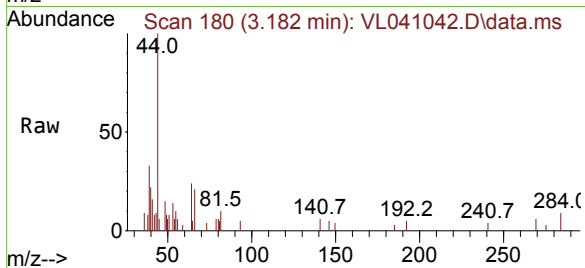




#7
Chloroethane
Concen: 0.041 ppbv
RT: 3.182 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL041042.D
Acq: 7 Feb 2024 16:02

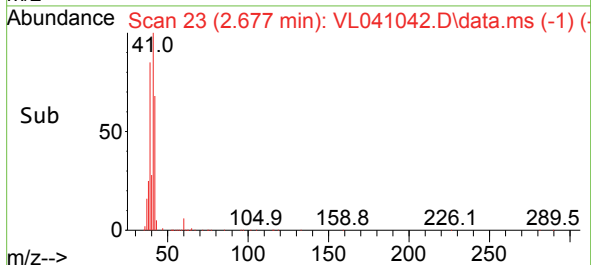
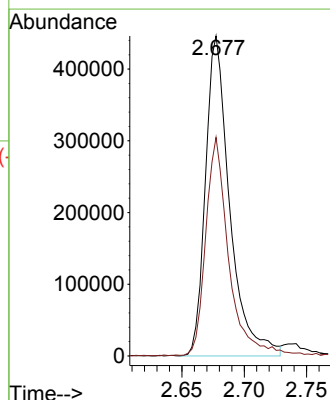
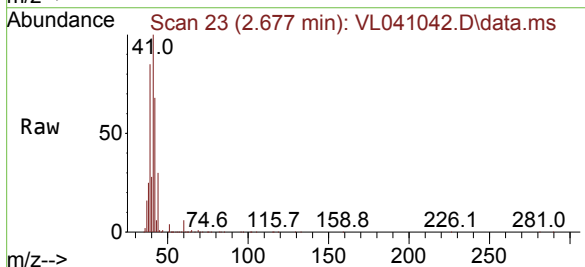
Instrument :
MSVOA_L
ClientSampleId :
SV-1

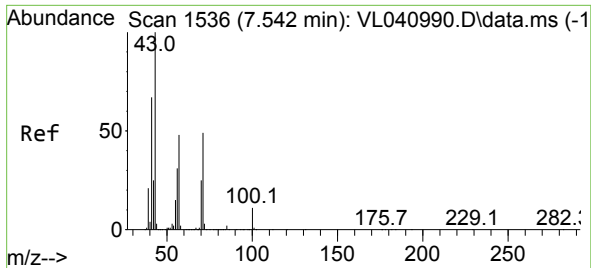
Tgt Ion: 64 Resp: 946
Ion Ratio Lower Upper
64 100
66 73.4 26.0 39.0#



#9
Propene
Concen: 10.546 ppbv
RT: 2.677 min Scan# 23
Delta R.T. 0.010 min
Lab File: VL041042.D
Acq: 7 Feb 2024 16:02

Tgt Ion: 41 Resp: 604081
Ion Ratio Lower Upper
41 100
42 65.3 59.0 88.4





#10

Heptane

Concen: 3.882 ppbv

RT: 7.555 min Scan# 1

Delta R.T. 0.003 min

Lab File: VL041042.D

Acq: 7 Feb 2024 16:02

Instrument :

MSVOA_L

ClientSampleId :

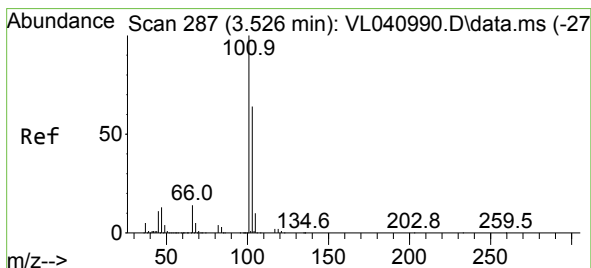
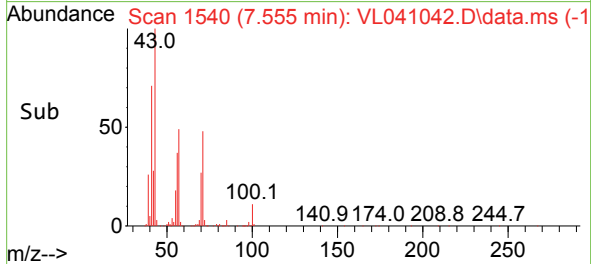
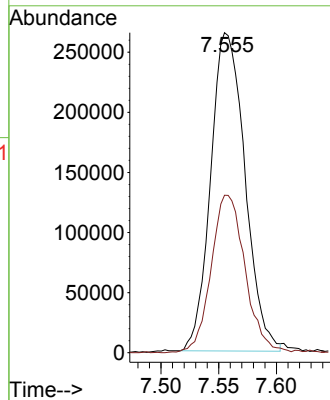
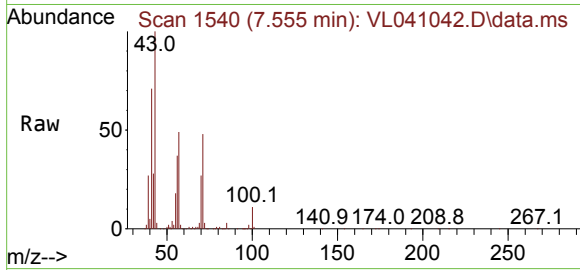
SV-1

Tgt Ion: 43 Resp: 547259

Ion Ratio Lower Upper

43 100

57 49.3 39.4 59.2



#11

Trichlorofluoromethane

Concen: 0.073 ppbv

RT: 3.542 min Scan# 292

Delta R.T. 0.010 min

Lab File: VL041042.D

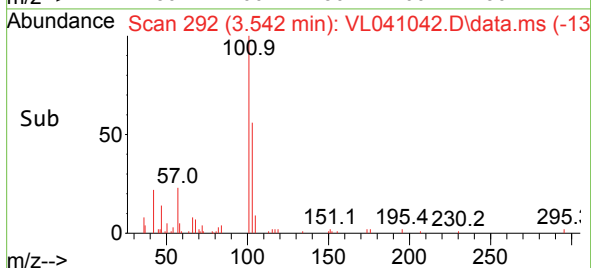
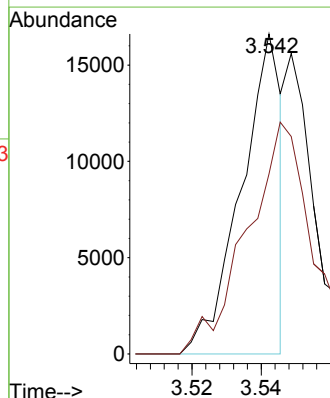
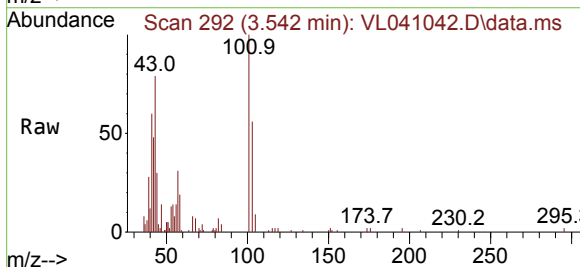
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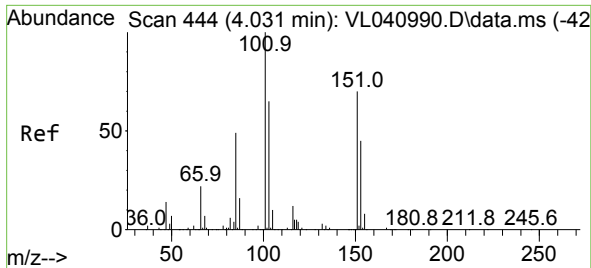
Tgt Ion: 101 Resp: 13432

Ion Ratio Lower Upper

101 100

103 56.2 51.4 77.2

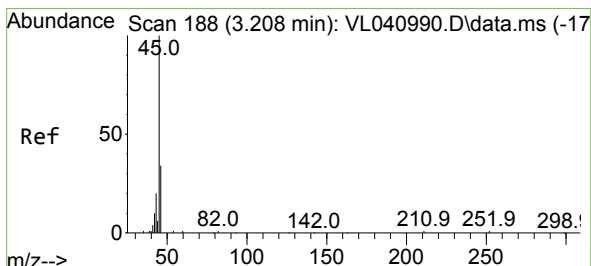
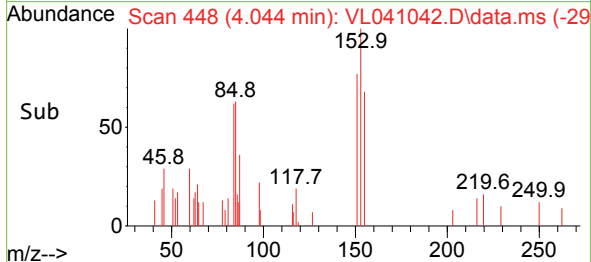
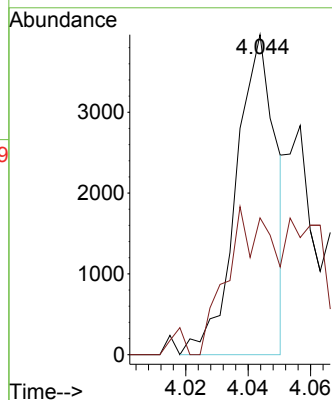
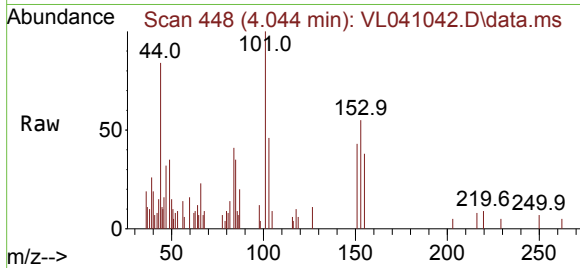




#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.026 ppbv
RT: 4.044 min Scan# 444
Delta R.T. 0.003 min
Lab File: VL041042.D
Acq: 7 Feb 2024 16:02

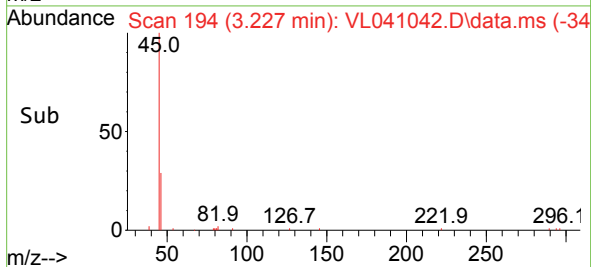
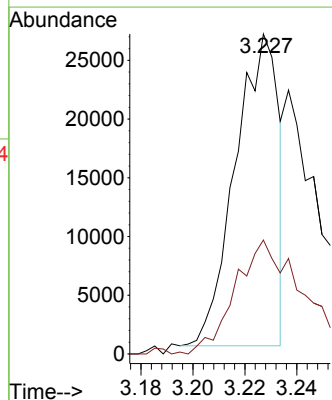
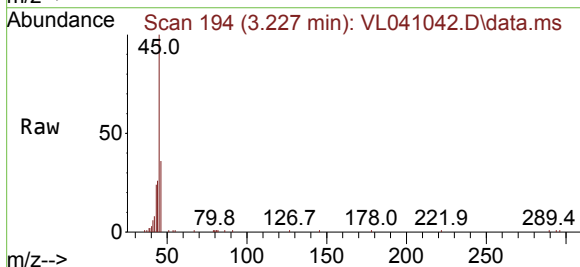
Instrument :
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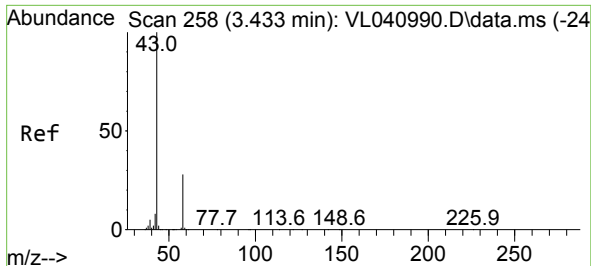
Tgt Ion:101 Resp: 3488
Ion Ratio Lower Upper
101 100
151 103.2 56.6 85.0#



#13
Ethanol
Concen: 2.247 ppbv
RT: 3.227 min Scan# 194
Delta R.T. 0.013 min
Lab File: VL041042.D
Acq: 7 Feb 2024 16:02

Tgt Ion: 45 Resp: 30675
Ion Ratio Lower Upper
45 100
46 74.4 16.2 64.8#





#15

Acetone

Concen: 3.140 ppbv

RT: 3.452 min Scan# 2

Delta R.T. 0.013 min

Lab File: VL041042.D

Acq: 7 Feb 2024 16:02

Instrument :

MSVOA_L

ClientSampleId :

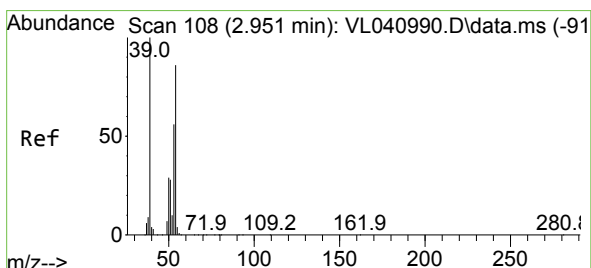
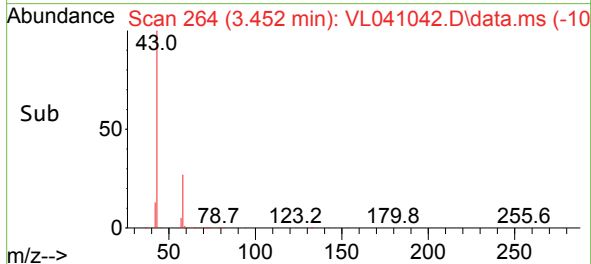
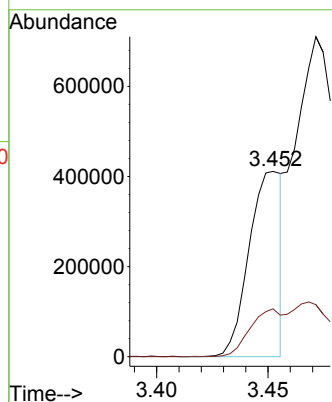
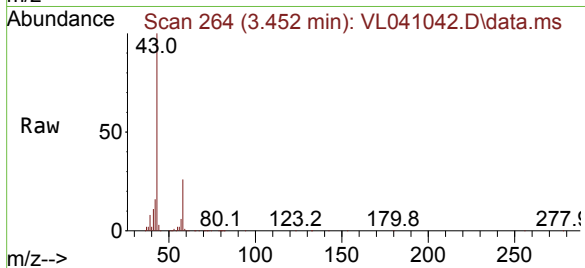
SV-1

Tgt Ion: 43 Resp: 416940

Ion Ratio Lower Upper

43 100

58 0.0 22.2 33.2#



#16

1,3-Butadiene

Concen: 9.103 ppbv

RT: 2.951 min Scan# 108

Delta R.T. -0.006 min

Lab File: VL041042.D

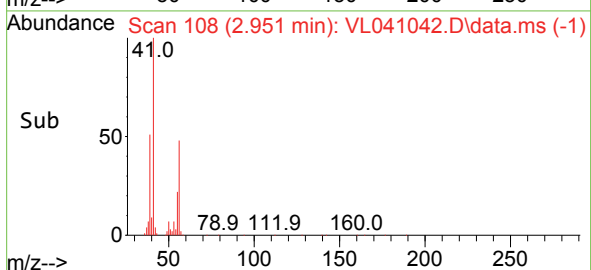
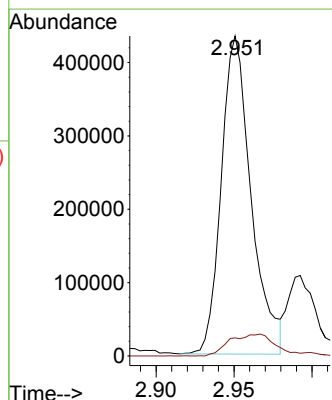
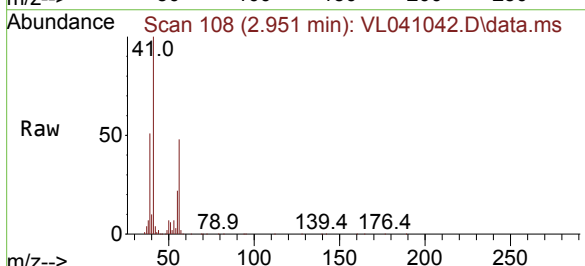
Acq: 7 Feb 2024 16:02

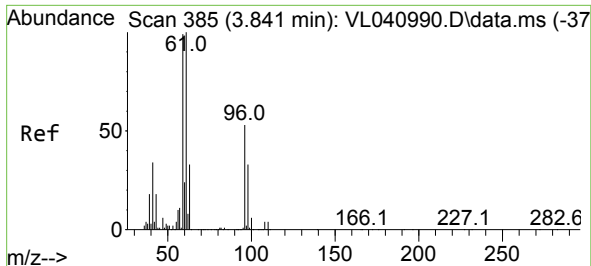
Tgt Ion: 39 Resp: 578143

Ion Ratio Lower Upper

39 100

54 11.1 62.7 94.1#





#17

tert-Butyl alcohol

Concen: 0.058 ppbv

RT: 3.880 min Scan# 397

Delta R.T. 0.029 min

Lab File: VL041042.D

Acq: 7 Feb 2024 16:02

Instrument :

MSVOA_L

ClientSampleId :

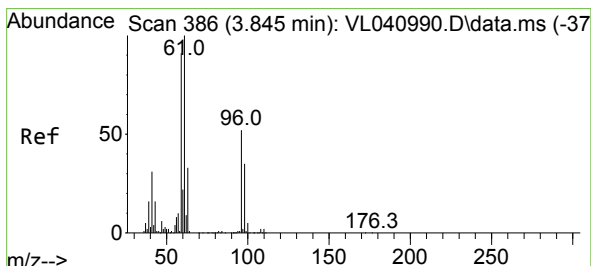
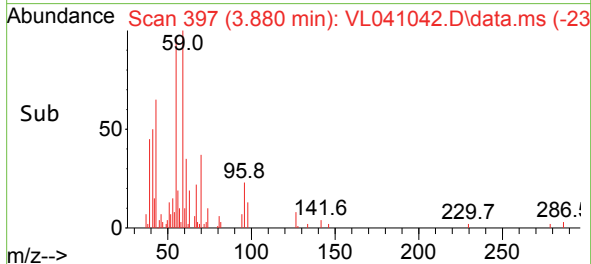
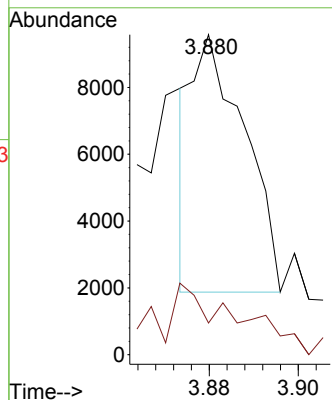
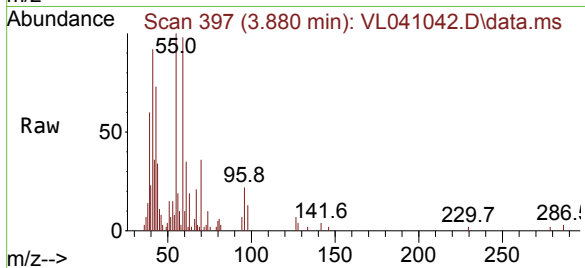
SV-1

Tgt Ion: 59 Resp: 6325

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



#18

1,1-Dichloroethene

Concen: 0.193 ppbv

RT: 3.864 min Scan# 392

Delta R.T. 0.013 min

Lab File: VL041042.D

Acq: 7 Feb 2024 16:02

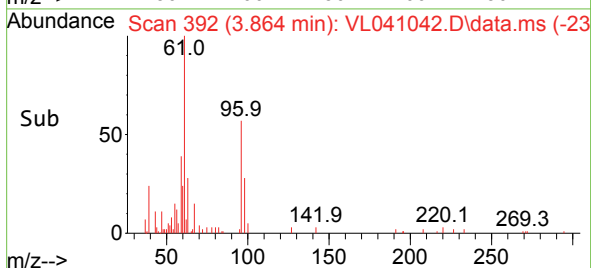
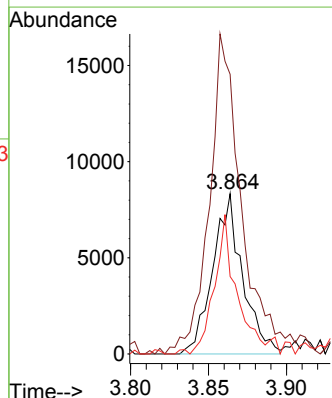
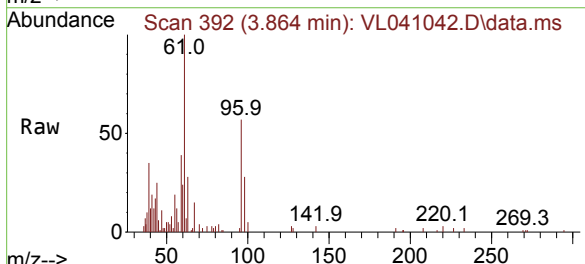
Tgt Ion: 96 Resp: 11087

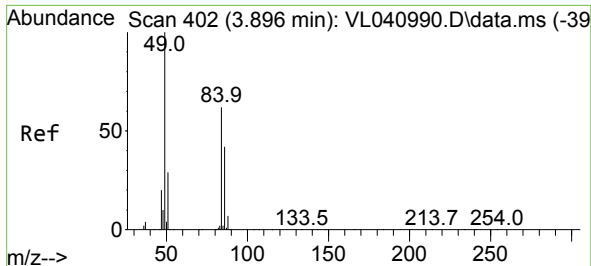
Ion Ratio Lower Upper

96 100

61 163.9 153.8 230.8

98 48.3 53.7 80.5#

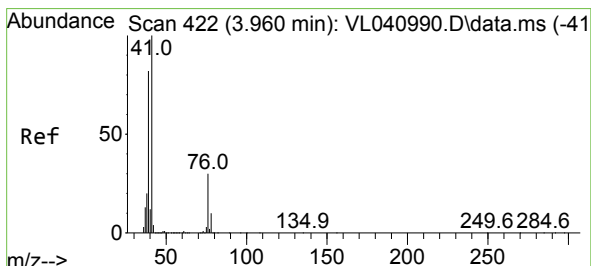
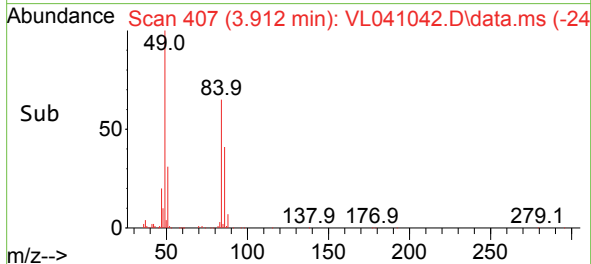
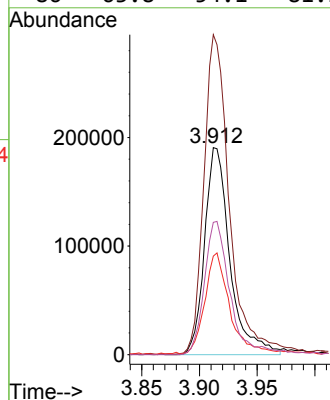
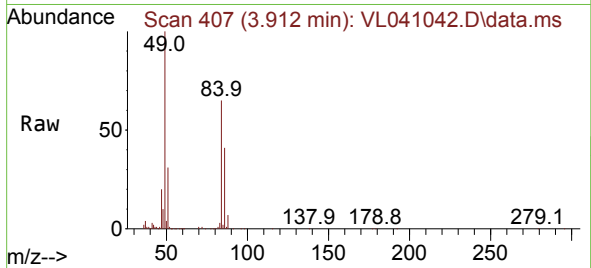




#20
Methylene Chloride
Concen: 5.697 ppbv
RT: 3.912 min Scan# 40
Delta R.T. 0.006 min
Lab File: VL041042.D
Acq: 7 Feb 2024 16:02

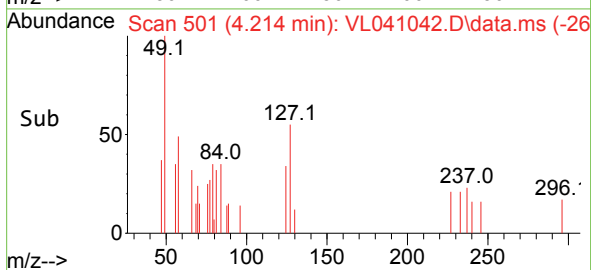
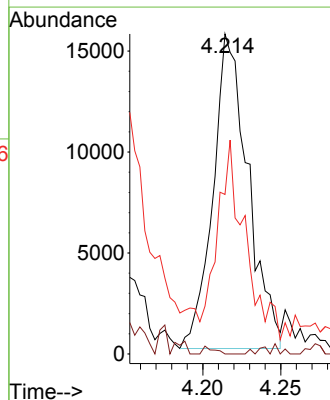
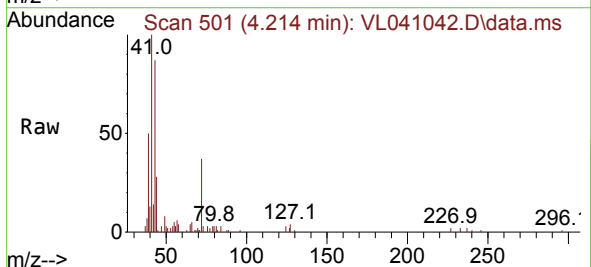
Instrument :
MSVOA_L
ClientSampleId :
SV-1

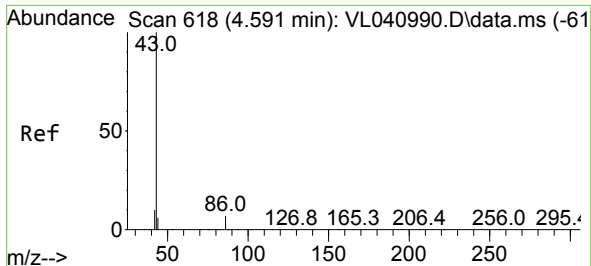
Tgt Ion: 84 Resp: 291046
Ion Ratio Lower Upper
84 100
49 154.0 128.1 192.1
51 47.2 36.5 54.7
86 63.8 54.1 81.1



#21
Allyl Chloride
Concen: 0.302 ppbv
RT: 4.214 min Scan# 501
Delta R.T. 0.244 min
Lab File: VL041042.D
Acq: 7 Feb 2024 16:02

Tgt Ion: 41 Resp: 24398
Ion Ratio Lower Upper
41 100
76 0.0 25.0 37.4#
39 47.6 67.0 100.6#



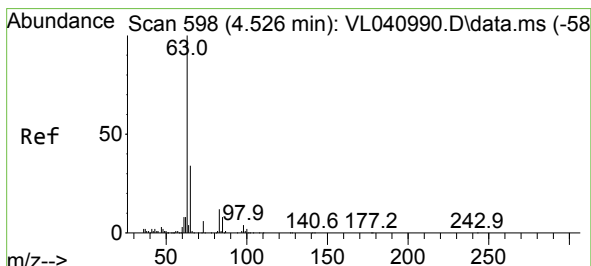
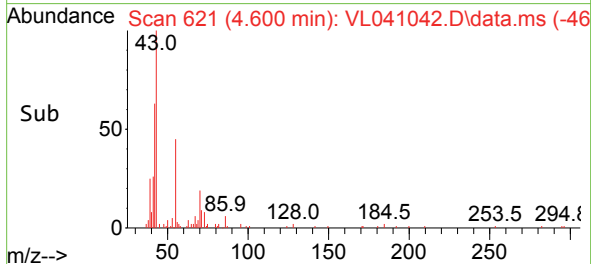
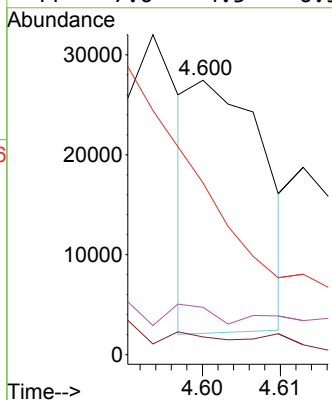
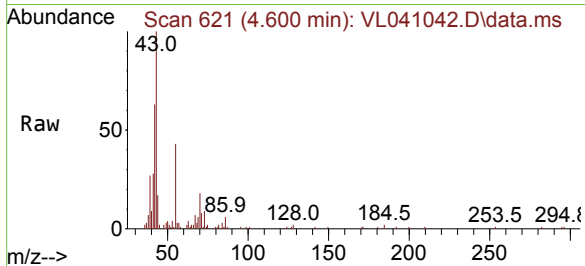


#23
 Vinyl Acetate
 Concen: 0.118 ppbv
 RT: 4.600 min Scan# 618
 Delta R.T. 0.000 min
 Lab File: VL041042.D
 Acq: 7 Feb 2024 16:02

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1

Tgt Ion: 43 Resp: 16203

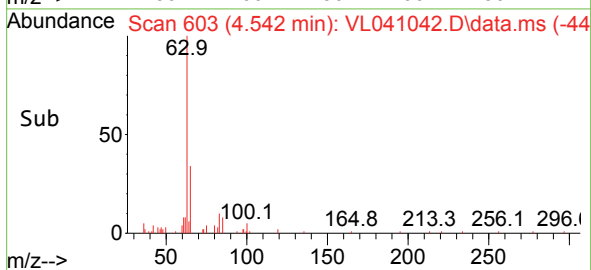
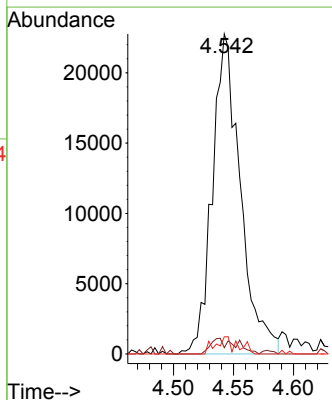
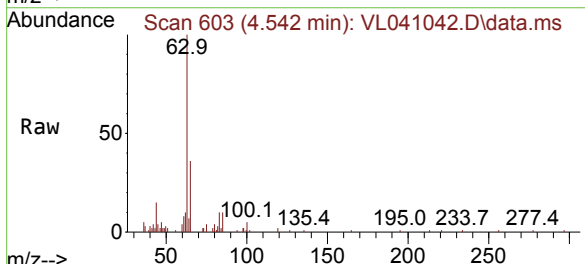
Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.4	8.0#
42	83.8	8.6	13.0#
44	7.6	4.3	6.5#

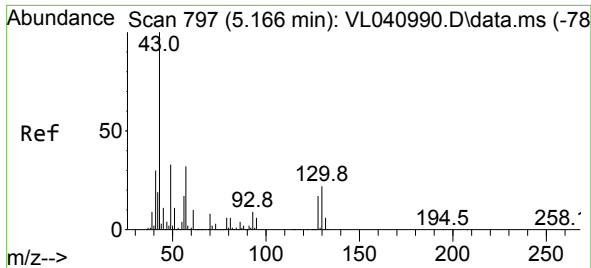


#24
 1,1-Dichloroethane
 Concen: 0.305 ppbv
 RT: 4.542 min Scan# 603
 Delta R.T. 0.006 min
 Lab File: VL041042.D
 Acq: 7 Feb 2024 16:02

Tgt Ion: 63 Resp: 36995

Ion	Ratio	Lower	Upper
63	100		
98	2.0	2.1	6.3#
100	5.4	1.3	3.9#

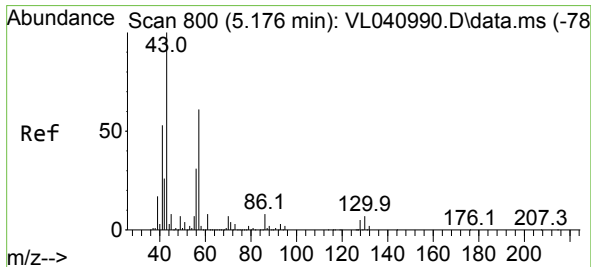
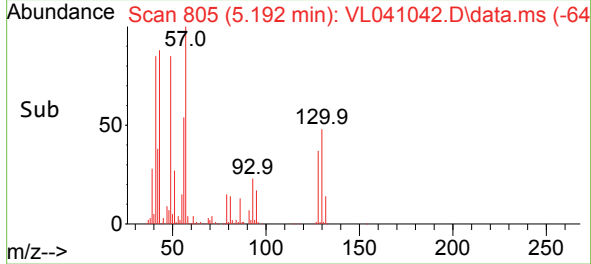
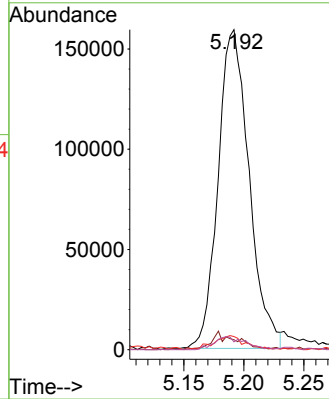
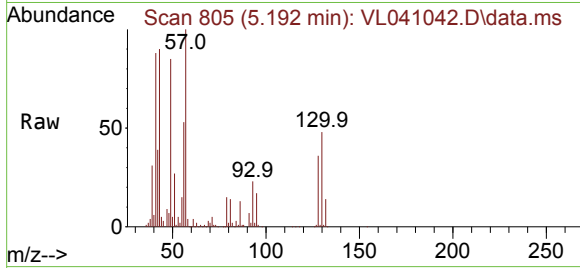




#25
Ethyl Acetate
Concen: 1.186 ppbv
RT: 5.192 min Scan# 805
Delta R.T. 0.013 min
Lab File: VL041042.D
Acq: 7 Feb 2024 16:02

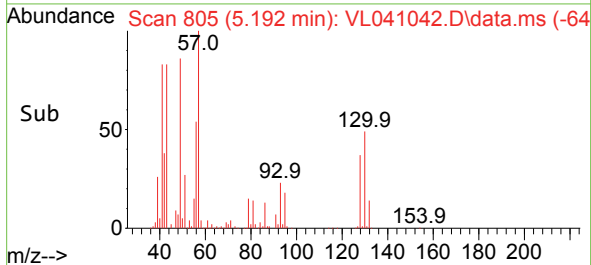
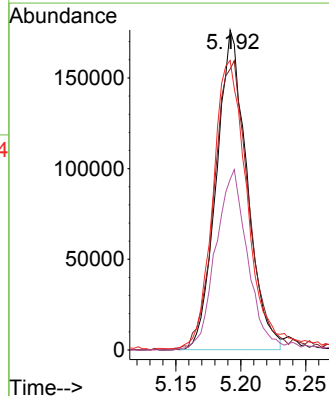
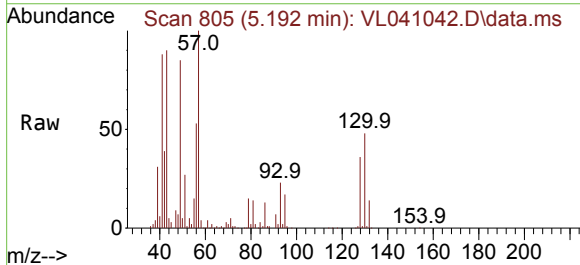
Instrument :
MSVOA_L
ClientSampleId :
SV-1

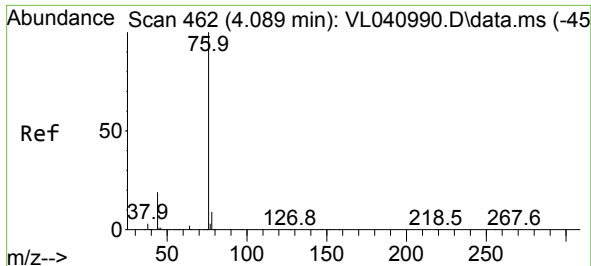
Tgt Ion: 43	Resp: 285599
Ion Ratio	Lower Upper
43 100	
45 5.3	8.2 12.4#
61 4.9	7.9 11.9#
70 4.1	5.4 8.2#



#26
Hexane
Concen: 2.812 ppbv
RT: 5.192 min Scan# 805
Delta R.T. 0.006 min
Lab File: VL041042.D
Acq: 7 Feb 2024 16:02

Tgt Ion: 57	Resp: 288503
Ion Ratio	Lower Upper
57 100	
41 105.0	74.4 111.6
43 103.6	190.6 285.8#
56 61.2	43.0 64.4





#27

Carbon Disulfide

Concen: 0.202 ppbv

RT: 4.105 min Scan# 4

Delta R.T. 0.010 min

Lab File: VL041042.D

Acq: 7 Feb 2024 16:02

Instrument :

MSVOA_L

ClientSampleId :

SV-1

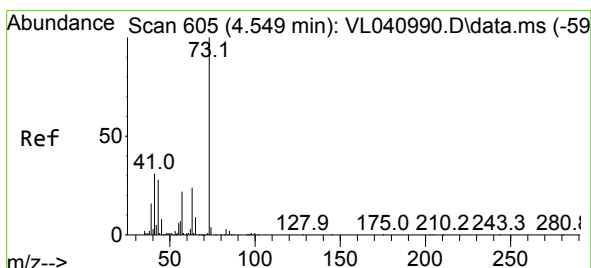
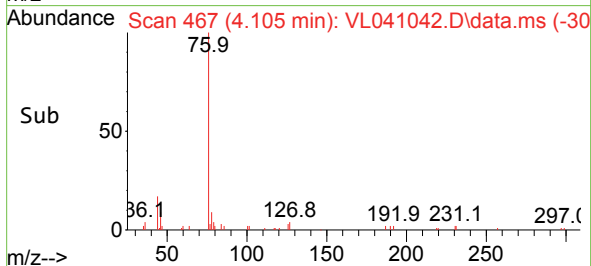
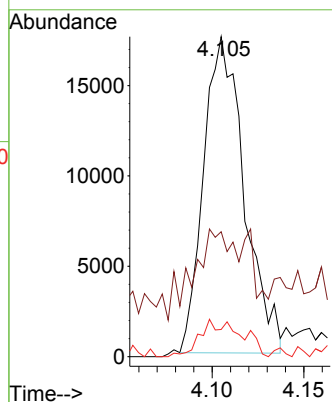
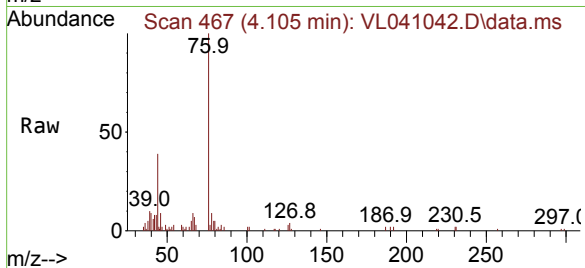
Tgt Ion: 76 Resp: 26954

Ion Ratio Lower Upper

76 100

44 27.6 16.0 24.0#

78 12.8 7.8 11.8#



#28

Methyl tert-Butyl Ether

Concen: 0.242 ppbv

RT: 4.568 min Scan# 611

Delta R.T. 0.010 min

Lab File: VL041042.D

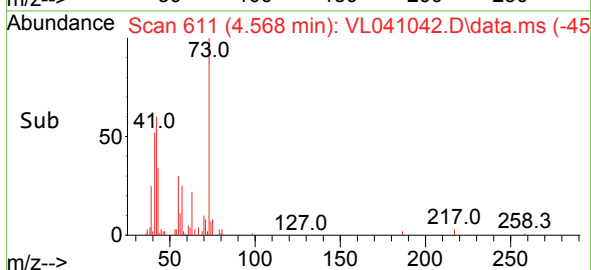
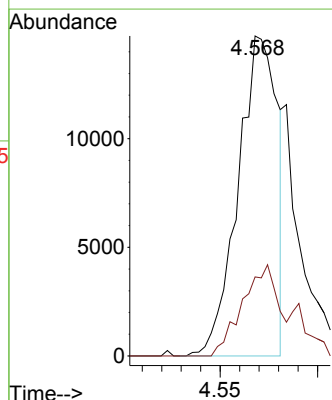
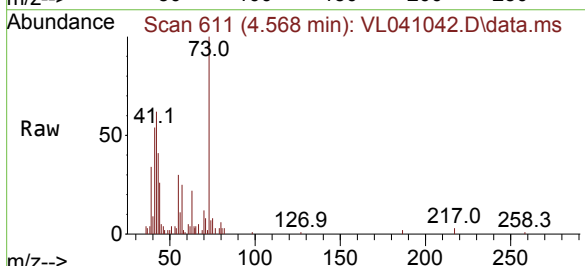
Acq: 7 Feb 2024 16:02

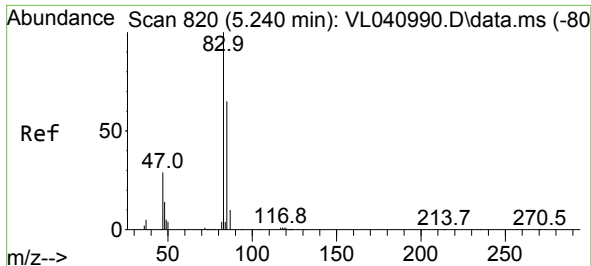
Tgt Ion: 73 Resp: 20615

Ion Ratio Lower Upper

73 100

57 34.8 18.0 27.0#





#29

Chloroform

Concen: 0.128 ppbv

RT: 5.253 min Scan# 81

Delta R.T. 0.006 min

Lab File: VL041042.D

Acq: 7 Feb 2024 16:02

Instrument :

MSVOA_L

ClientSampleId :

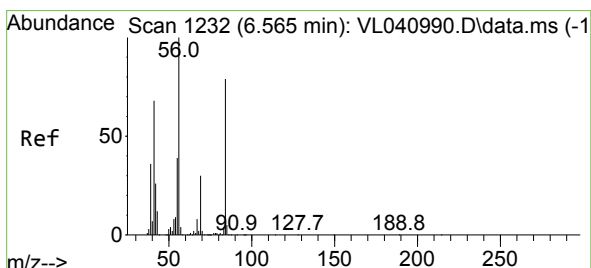
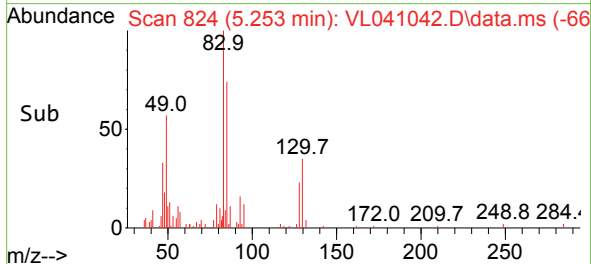
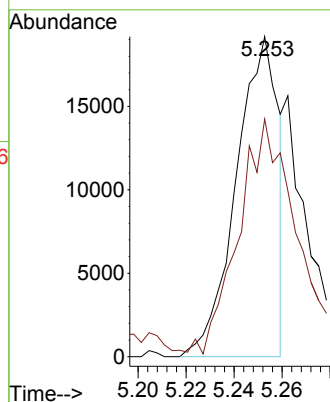
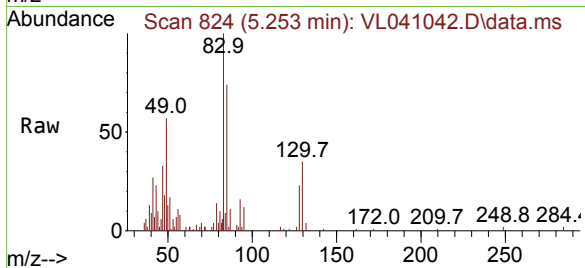
SV-1

Tgt Ion: 83 Resp: 23347

Ion Ratio Lower Upper

83 100

85 72.2 51.6 77.4



#30

Cyclohexane

Concen: 0.632 ppbv

RT: 6.581 min Scan# 1237

Delta R.T. 0.006 min

Lab File: VL041042.D

Acq: 7 Feb 2024 16:02

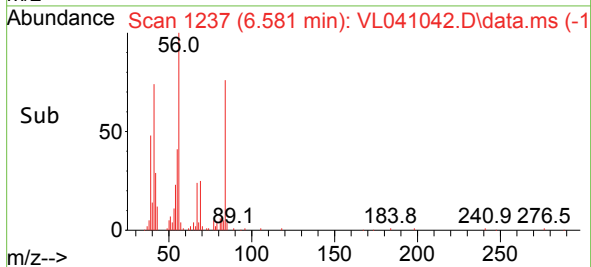
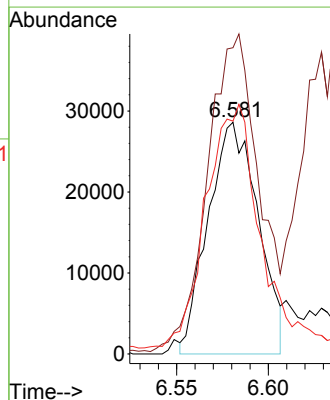
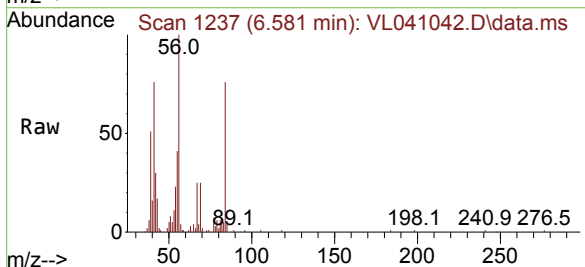
Tgt Ion: 84 Resp: 54365

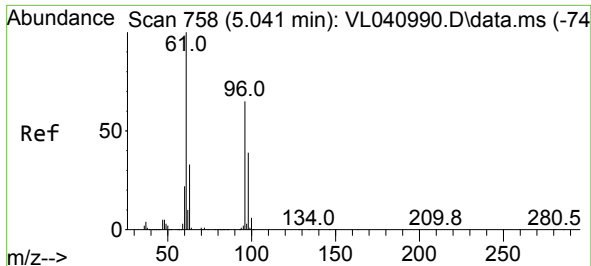
Ion Ratio Lower Upper

84 100

56 138.1 111.7 167.5

41 111.9 71.0 106.6#

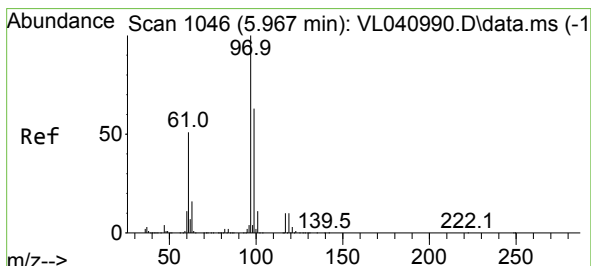
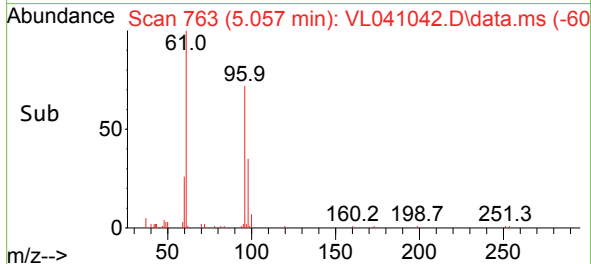
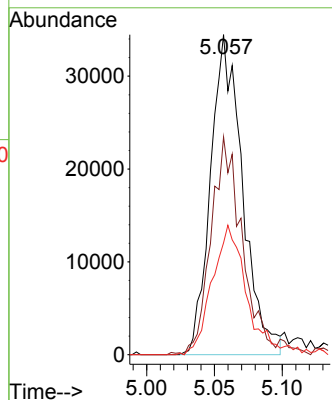
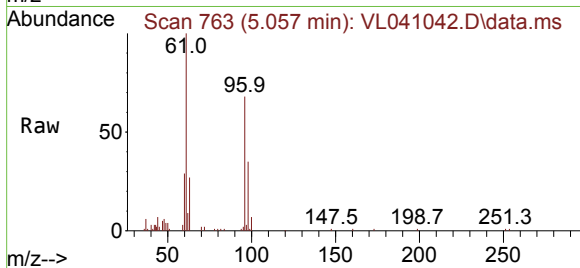




#31
 cis-1,2-Dichloroethene
 Concen: 0.587 ppbv
 RT: 5.057 min Scan# 758
 Delta R.T. 0.006 min
 Lab File: VL041042.D
 Acq: 7 Feb 2024 16:02

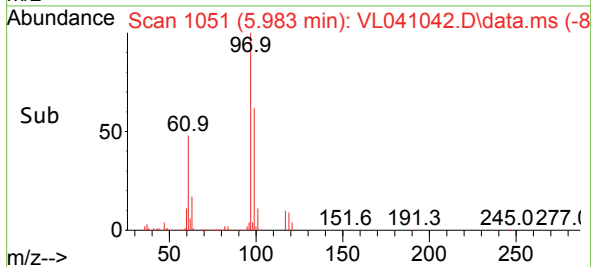
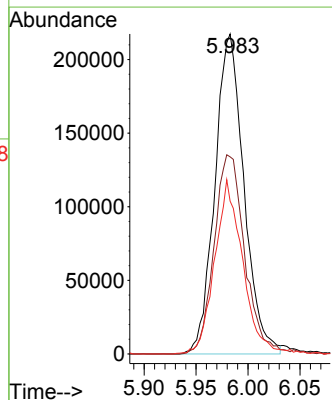
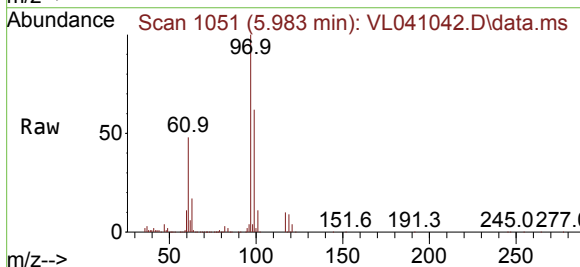
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1

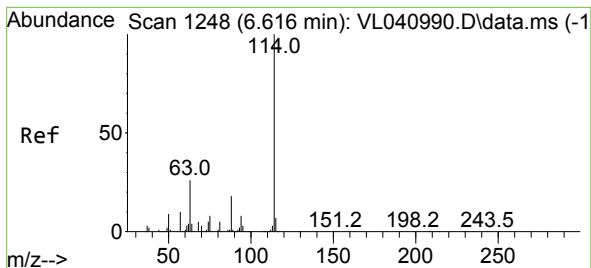
Tgt Ion: 61 Resp: 56495
 Ion Ratio Lower Upper
 61 100
 96 67.4 51.9 77.9
 98 34.5 31.5 47.3



#32
 1,1,1-Trichloroethane
 Concen: 2.433 ppbv
 RT: 5.983 min Scan# 1051
 Delta R.T. 0.006 min
 Lab File: VL041042.D
 Acq: 7 Feb 2024 16:02

Tgt Ion: 97 Resp: 423209
 Ion Ratio Lower Upper
 97 100
 99 65.9 51.5 77.3
 61 52.7 40.3 60.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.632 min Scan# 114

Delta R.T. 0.006 min

Lab File: VL041042.D

Acq: 7 Feb 2024 16:02

Instrument :

MSVOA_L

ClientSampleId :

SV-1

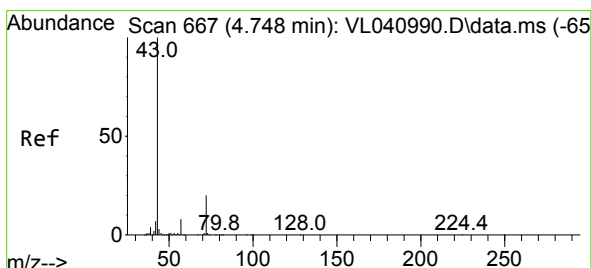
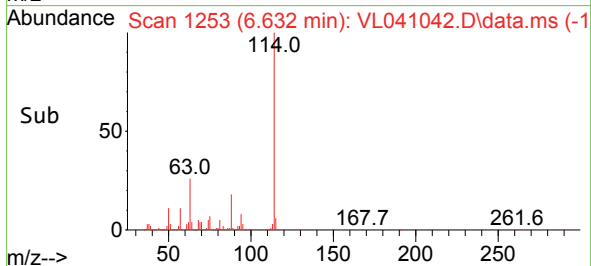
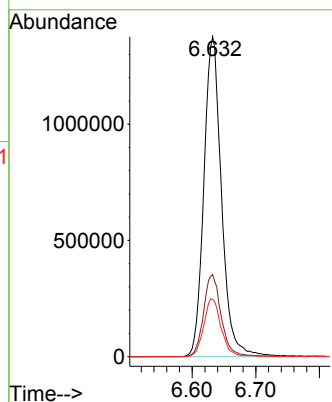
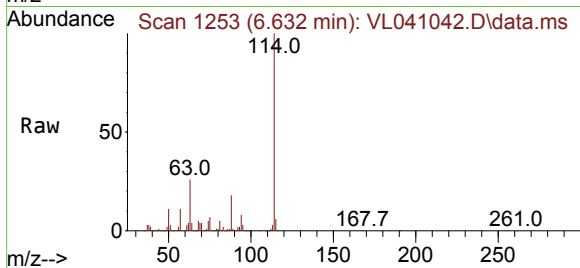
Tgt Ion:114 Resp: 2648079

Ion Ratio Lower Upper

114 100

63 26.0 20.8 31.2

88 18.0 14.3 21.5



#34

2-Butanone

Concen: 4.236 ppbv

RT: 4.767 min Scan# 673

Delta R.T. 0.010 min

Lab File: VL041042.D

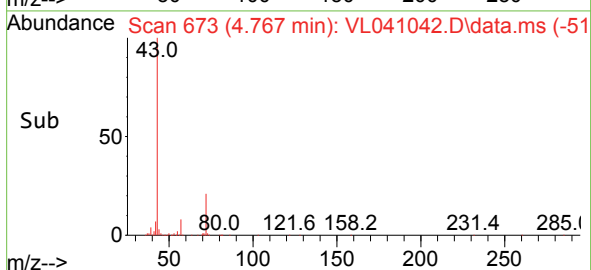
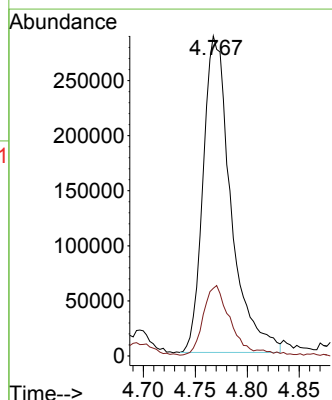
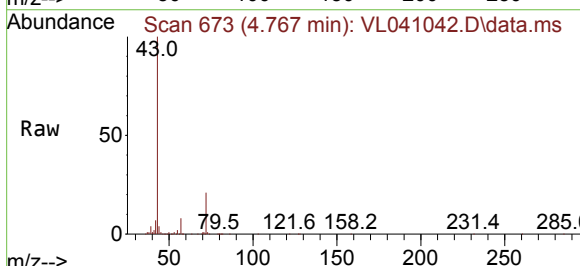
Acq: 7 Feb 2024 16:02

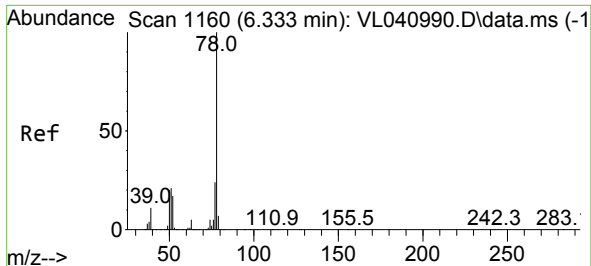
Tgt Ion: 43 Resp: 534447

Ion Ratio Lower Upper

43 100

72 23.1 17.5 26.3

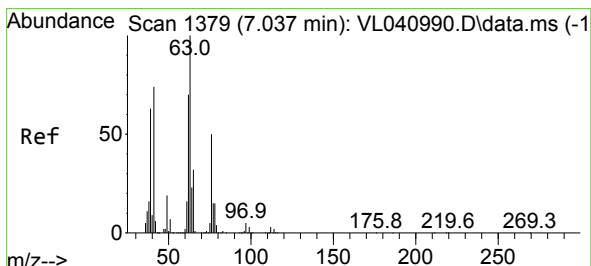
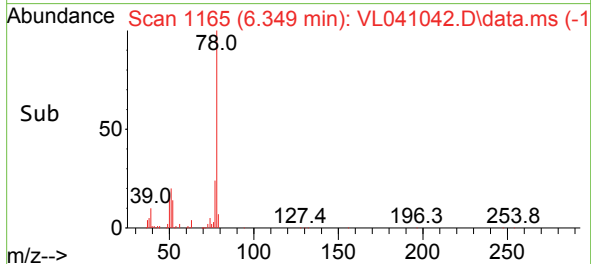
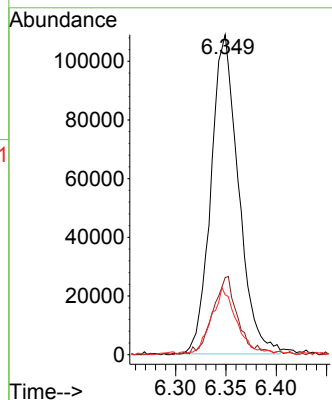
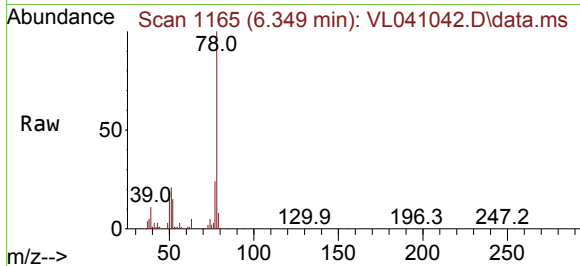




#36
Benzene
Concen: 0.947 ppbv
RT: 6.349 min Scan# 1160
Delta R.T. 0.006 min
Lab File: VL041042.D
Acq: 7 Feb 2024 16:02

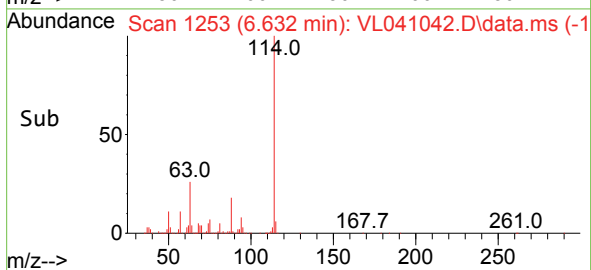
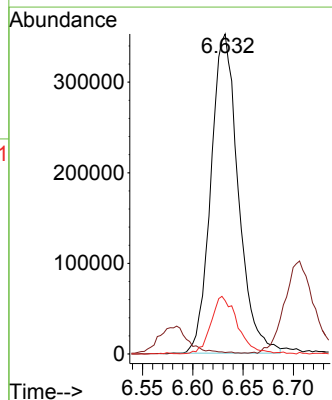
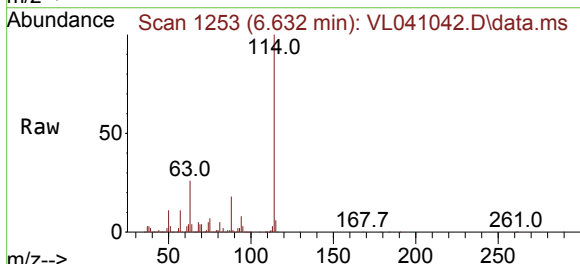
Instrument :
MSVOA_L
ClientSampleId :
SV-1

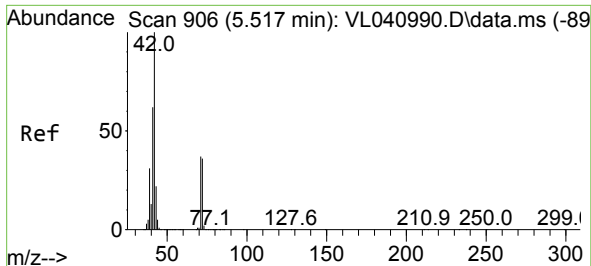
Tgt Ion: 78 Resp: 207109
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.4
50 18.1 15.8 23.6



#39
1,2-Dichloropropane
Concen: 7.743 ppbv
RT: 6.632 min Scan# 1253
Delta R.T. -0.415 min
Lab File: VL041042.D
Acq: 7 Feb 2024 16:02

Tgt Ion: 63 Resp: 667074
Ion Ratio Lower Upper
63 100
41 0.0 59.6 89.4#
62 16.6 55.6 83.4#





#41

Tetrahydrofuran

Concen: 0.091 ppbv

RT: 5.796 min Scan# 91

Delta R.T. 0.267 min

Lab File: VL041042.D

Acq: 7 Feb 2024 16:02

Instrument :

MSVOA_L

ClientSampleId :

SV-1

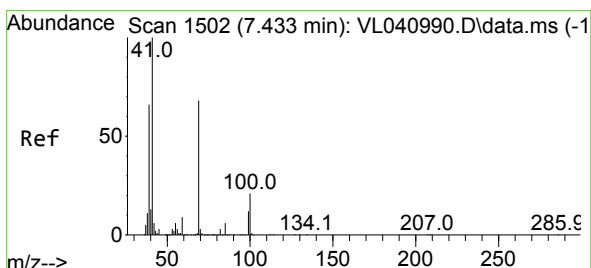
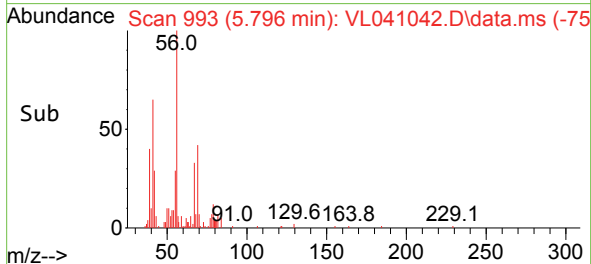
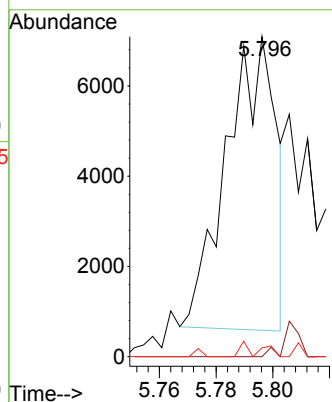
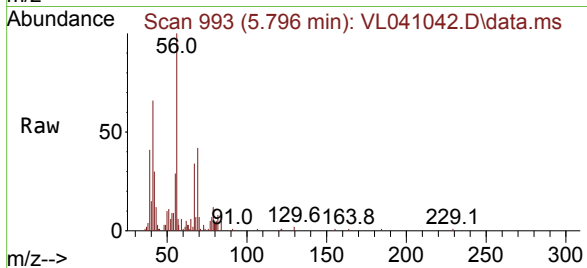
Tgt Ion: 42 Resp: 7829

Ion Ratio Lower Upper

42 100

72 2.4 30.0 45.0#

71 0.0 29.5 44.3#



#43

Methyl Methacrylate

Concen: 0.042 ppbv

RT: 7.458 min Scan# 1510

Delta R.T. 0.013 min

Lab File: VL041042.D

Acq: 7 Feb 2024 16:02

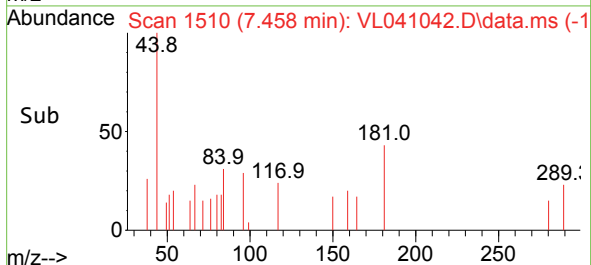
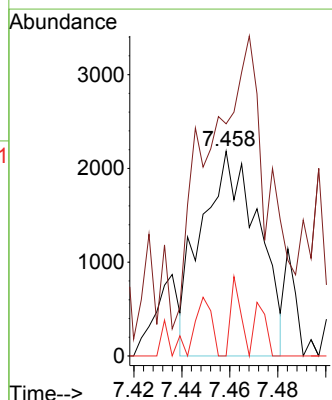
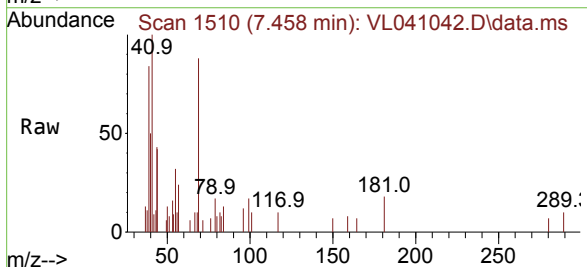
Tgt Ion: 69 Resp: 3577

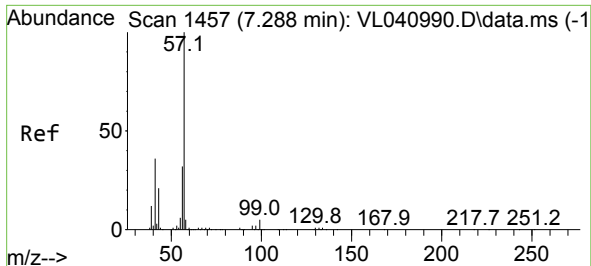
Ion Ratio Lower Upper

69 100

41 0.0 120.2 180.2#

100 0.0 24.6 36.8#

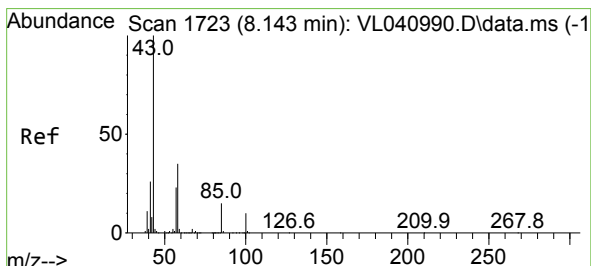
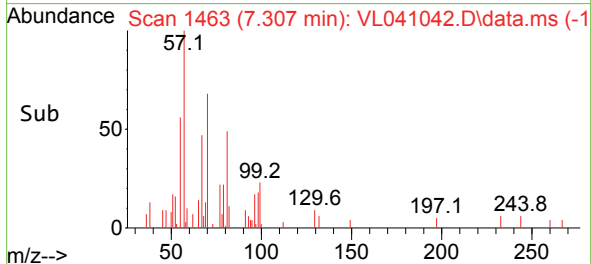
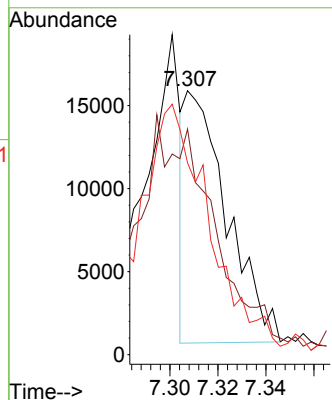
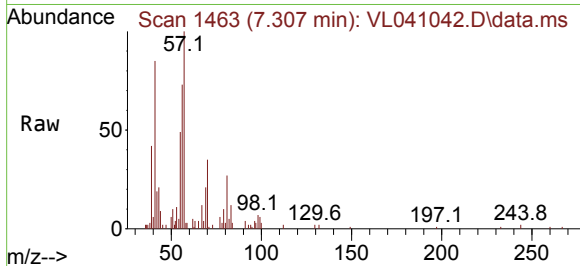




#44
2,2,4-Trimethylpentane
Concen: 0.050 ppbv
RT: 7.307 min Scan# 1457
Delta R.T. 0.010 min
Lab File: VL041042.D
Acq: 7 Feb 2024 16:02

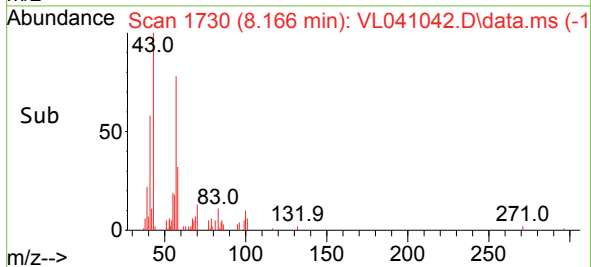
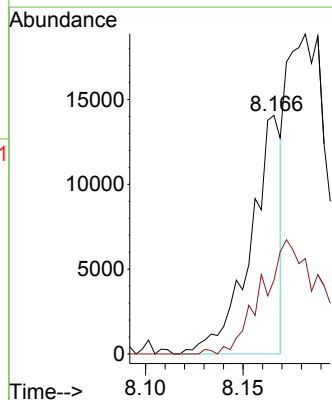
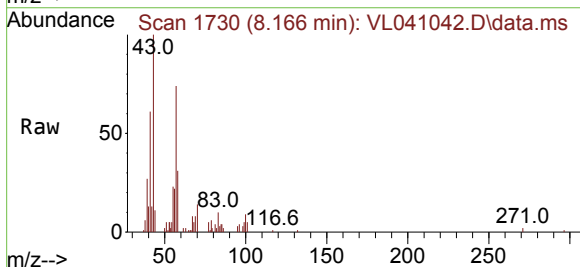
Instrument :
MSVOA_L
ClientSampleId :
SV-1

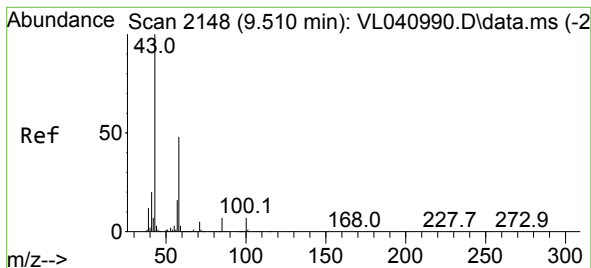
Tgt Ion:	57	Resp:	18493
Ion	Ratio	Lower	Upper
57	100		
41	0.0	28.6	43.0#
56	0.0	25.2	37.8#



#50
4-Methyl-2-Pentanone
Concen: 0.070 ppbv
RT: 8.166 min Scan# 1730
Delta R.T. 0.016 min
Lab File: VL041042.D
Acq: 7 Feb 2024 16:02

Tgt Ion:	43	Resp:	15470
Ion	Ratio	Lower	Upper
43	100		
58	103.2	27.8	41.8#





#51

2-Hexanone

Concen: 0.463 ppbv

RT: 9.545 min Scan# 2148

Delta R.T. 0.022 min

Lab File: VL041042.D

Acq: 7 Feb 2024 16:02

Instrument :

MSVOA_L

ClientSampleId :

SV-1

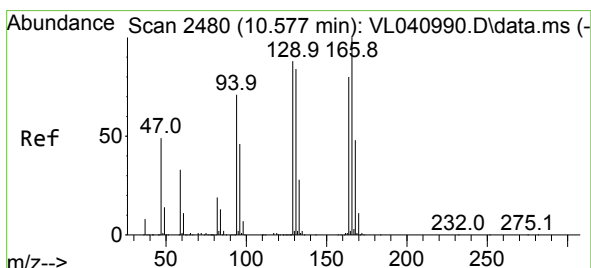
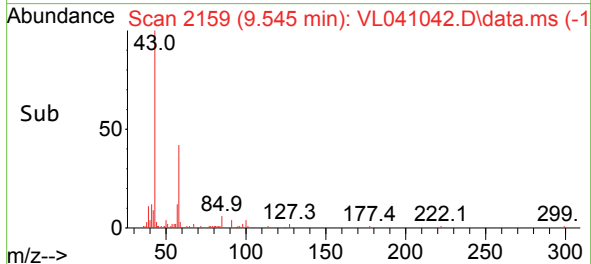
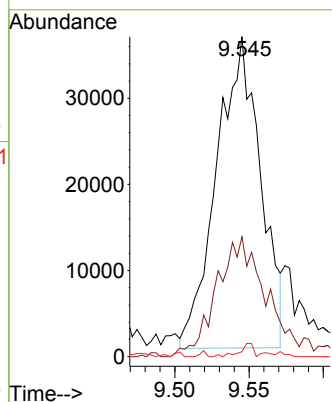
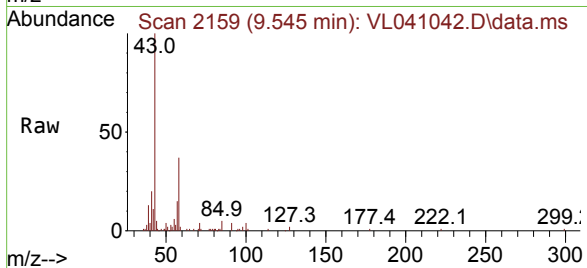
Tgt Ion: 43 Resp: 74120

Ion Ratio Lower Upper

43 100

58 47.8 36.8 55.2

98 1.9 0.3 0.5#



#52

Tetrachloroethene

Concen: 0.099 ppbv

RT: 10.593 min Scan# 2485

Delta R.T. 0.010 min

Lab File: VL041042.D

Acq: 7 Feb 2024 16:02

Tgt Ion: 164 Resp: 7187

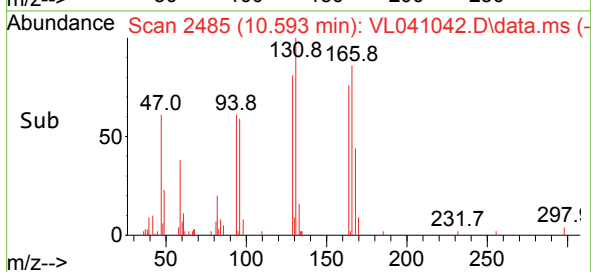
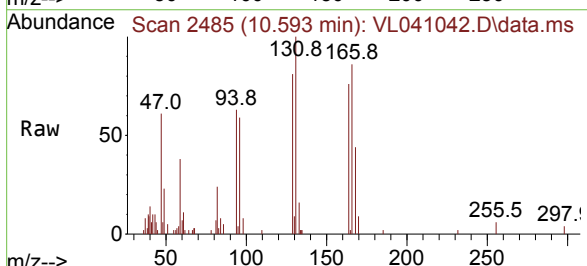
Ion Ratio Lower Upper

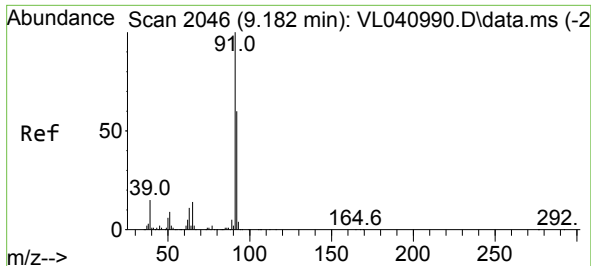
164 100

166 110.1 100.2 150.2

129 94.6 87.9 131.9

131 129.3 84.0 126.0#





#53

Toluene

Concen: 6.356 ppbv

RT: 9.198 min Scan# 2046

Delta R.T. 0.003 min

Lab File: VL041042.D

Acq: 7 Feb 2024 16:02

Instrument :

MSVOA_L

ClientSampleId :

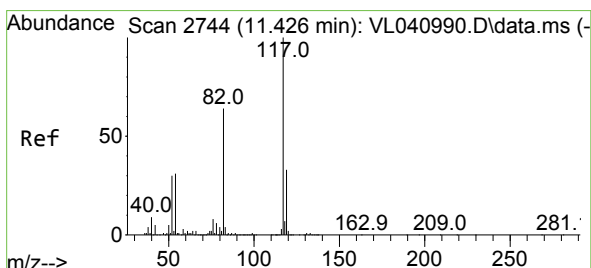
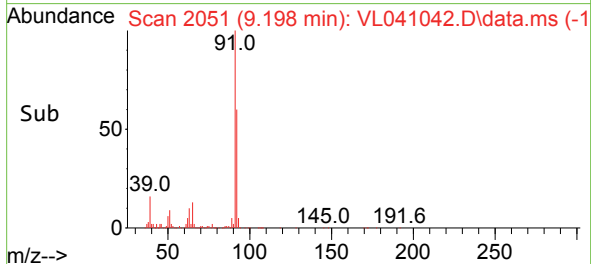
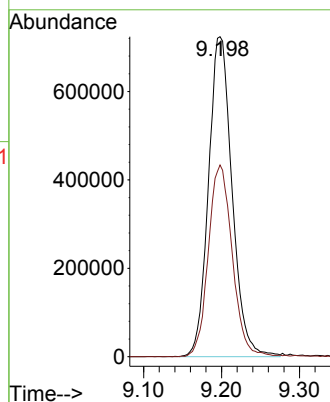
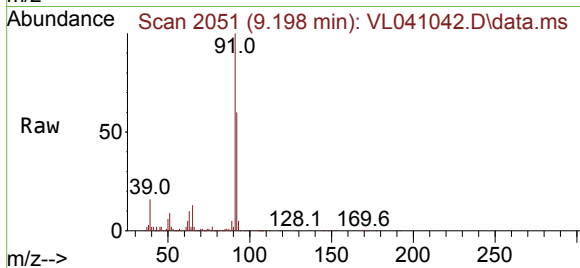
SV-1

Tgt Ion: 91 Resp: 1522674

Ion Ratio Lower Upper

91 100

92 61.1 48.6 72.8



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.442 min Scan# 2749

Delta R.T. 0.003 min

Lab File: VL041042.D

Acq: 7 Feb 2024 16:02

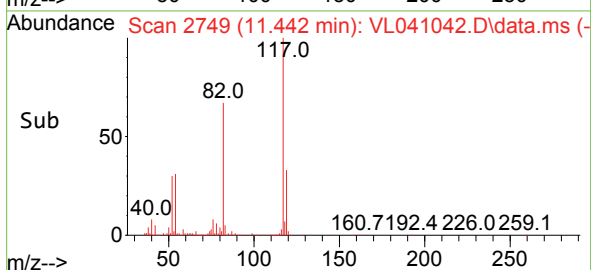
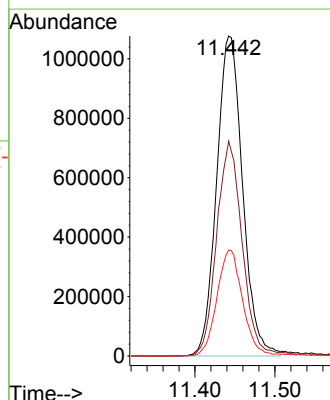
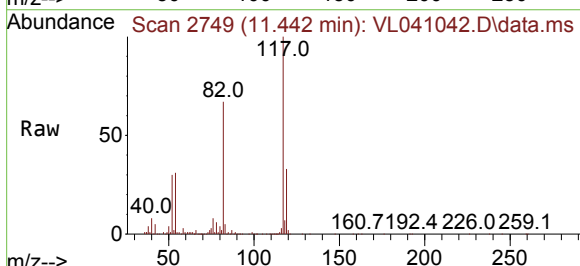
Tgt Ion: 117 Resp: 2429781

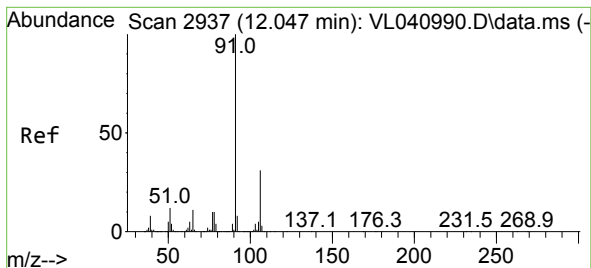
Ion Ratio Lower Upper

117 100

82 66.8 51.7 77.5

119 33.2 23.8 35.6





#58

Ethyl Benzene

Concen: 0.324 ppbv

RT: 12.066 min Scan# 2937

Delta R.T. 0.006 min

Lab File: VL041042.D

Acq: 7 Feb 2024 16:02

Instrument :

MSVOA_L

ClientSampleId :

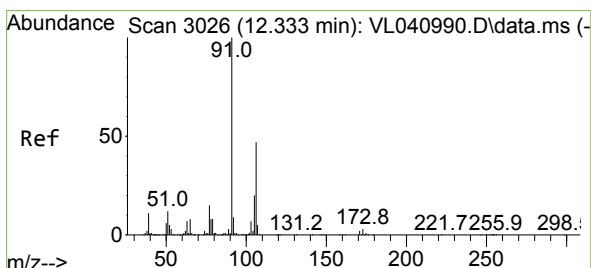
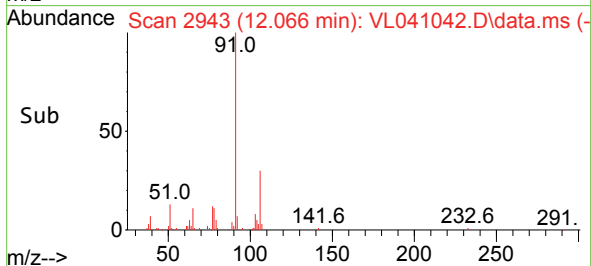
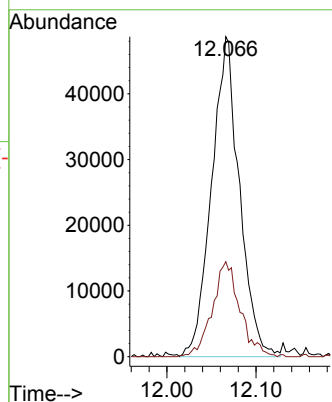
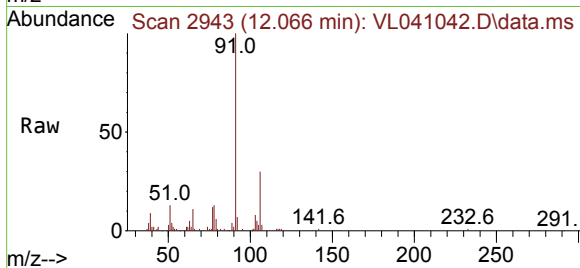
SV-1

Tgt Ion: 91 Resp: 105661

Ion Ratio Lower Upper

91 100

106 29.3 24.8 37.2



#59

m/p-Xylene

Concen: 0.311 ppbv

RT: 12.343 min Scan# 3029

Delta R.T. -0.006 min

Lab File: VL041042.D

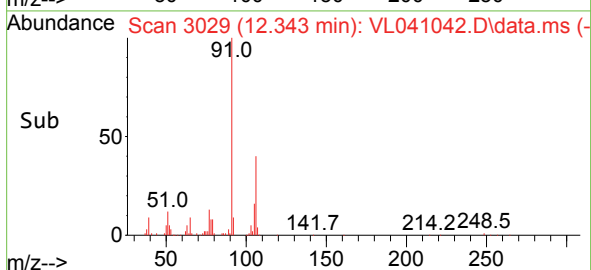
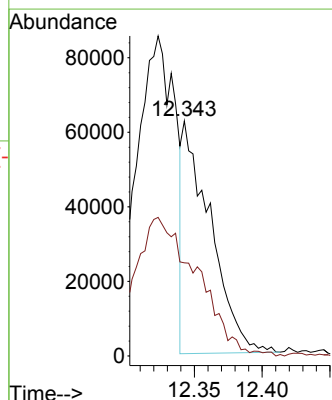
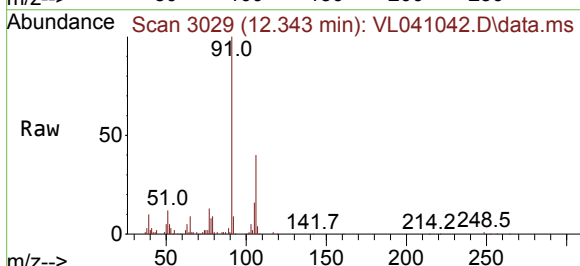
Acq: 7 Feb 2024 16:02

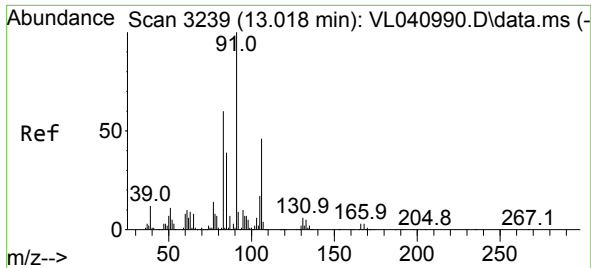
Tgt Ion: 91 Resp: 88545

Ion Ratio Lower Upper

91 100

106 0.0 34.9 52.3#

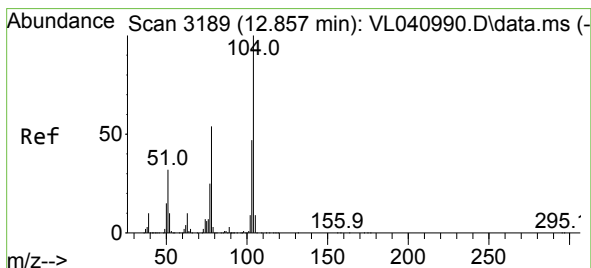
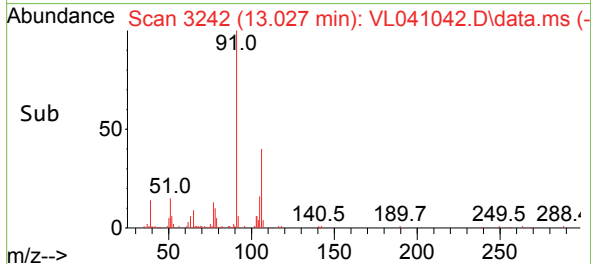
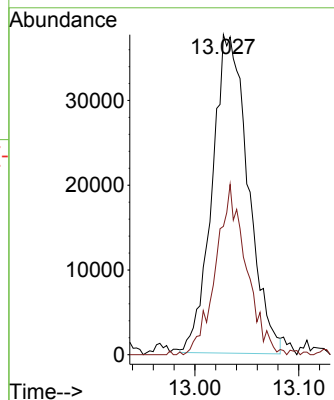
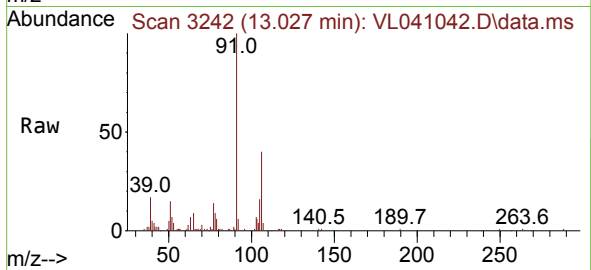




#60
o-Xylene
Concen: 0.331 ppbv
RT: 13.027 min Scan# 3195
Delta R.T. -0.003 min
Lab File: VL041042.D
Acq: 7 Feb 2024 16:02

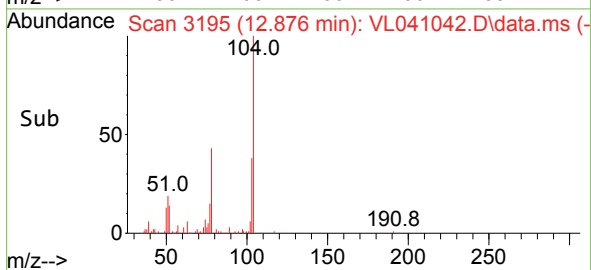
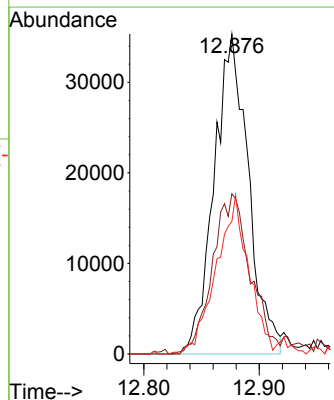
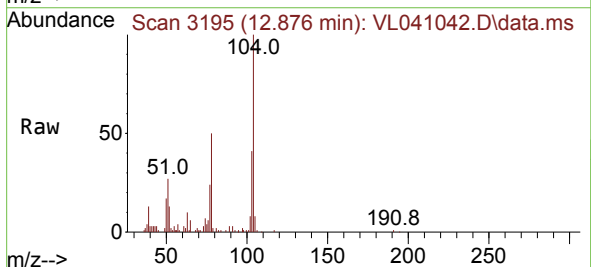
Instrument :
MSVOA_L
ClientSampleId :
SV-1

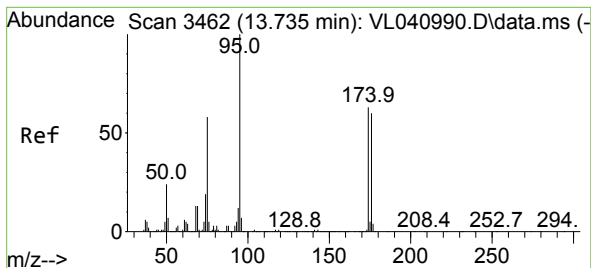
Tgt Ion: 91 Resp: 90369
Ion Ratio Lower Upper
91 100
106 45.6 22.6 67.7



#61
Styrene
Concen: 0.583 ppbv
RT: 12.876 min Scan# 3195
Delta R.T. 0.006 min
Lab File: VL041042.D
Acq: 7 Feb 2024 16:02

Tgt Ion: 104 Resp: 73040
Ion Ratio Lower Upper
104 100
78 59.8 42.7 64.1
103 49.5 37.6 56.4





#68

1-Bromo-4-Fluorobenzene

Concen: 10.413 ppbv

RT: 13.754 min Scan# 3468

Delta R.T. 0.006 min

Lab File: VL041042.D

Acq: 7 Feb 2024 16:02

Instrument :

MSVOA_L

ClientSampleId :

SV-1

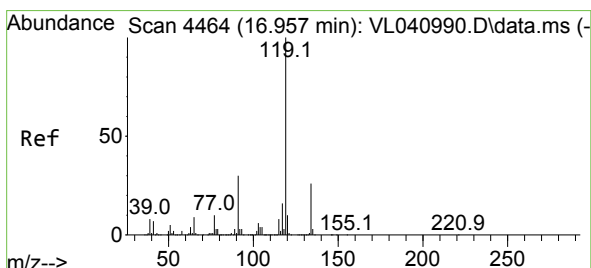
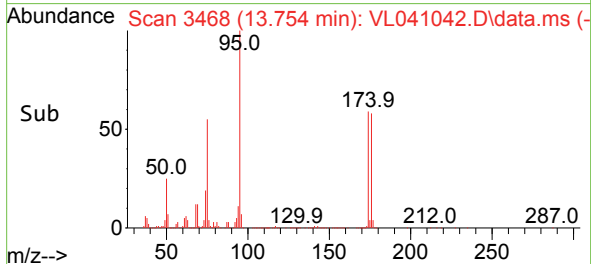
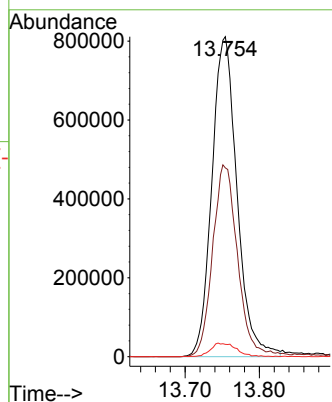
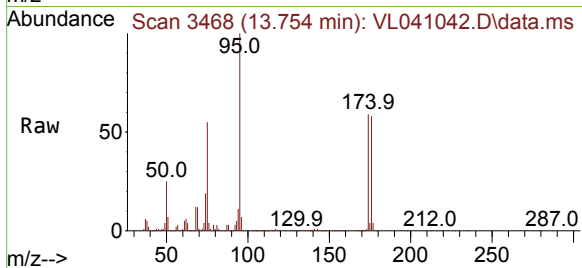
Tgt Ion: 95 Resp: 1910992

Ion Ratio Lower Upper

95 100

174 60.7 49.1 73.7

175 4.5 3.7 5.5



#69

p-Isopropyltoluene

Concen: 0.021 ppbv

RT: 16.969 min Scan# 4468

Delta R.T. 0.003 min

Lab File: VL041042.D

Acq: 7 Feb 2024 16:02

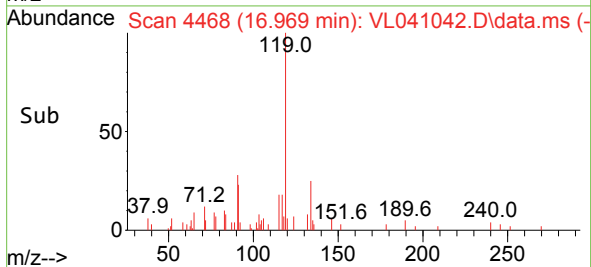
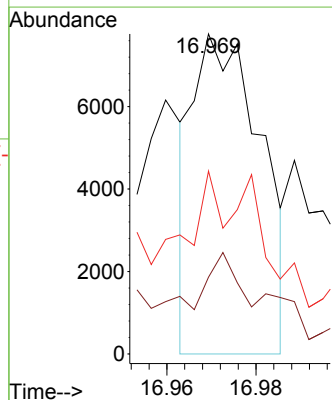
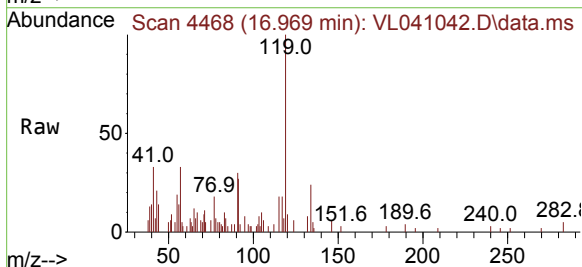
Tgt Ion: 119 Resp: 8186

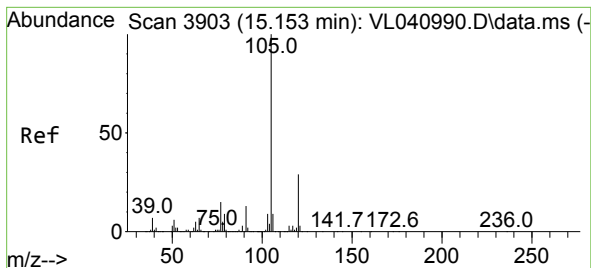
Ion Ratio Lower Upper

119 100

134 56.8 20.6 30.8#

91 120.8 24.5 36.7#





#72

4-Ethyltoluene

Concen: 0.023 ppbv

RT: 15.166 min Scan# 3907

Delta R.T. 0.000 min

Lab File: VL041042.D

Acq: 7 Feb 2024 16:02

Instrument :

MSVOA_L

ClientSampleId :

SV-1

Tgt Ion:105 Resp: 7140

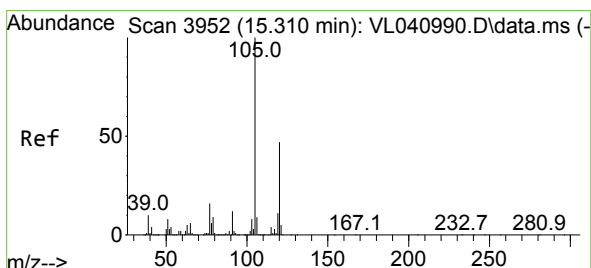
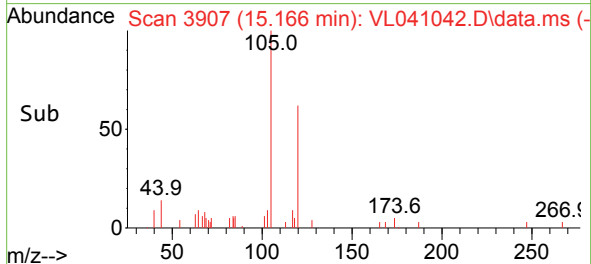
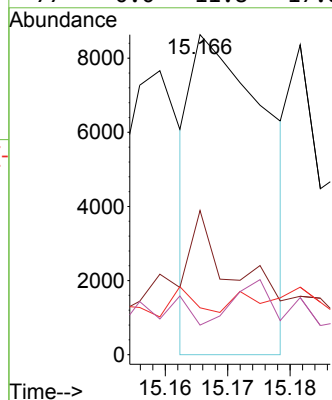
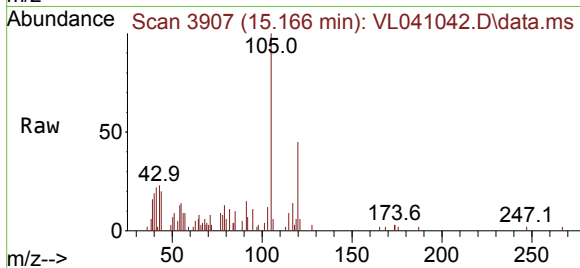
Ion Ratio Lower Upper

105 100

120 85.3 24.3 36.5#

91 84.5 11.0 16.4#

77 0.0 11.8 17.8#



#73

1,3,5-Trimethylbenzene

Concen: 0.046 ppbv

RT: 15.326 min Scan# 3957

Delta R.T. 0.003 min

Lab File: VL041042.D

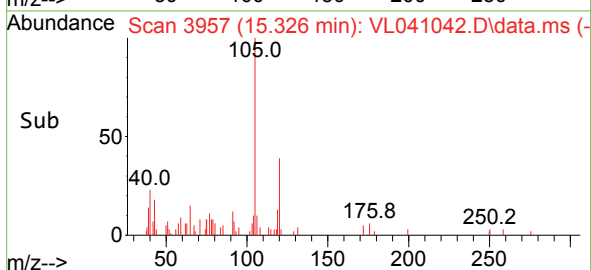
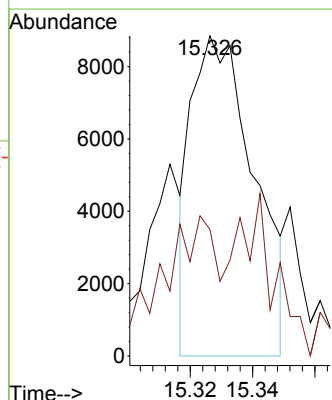
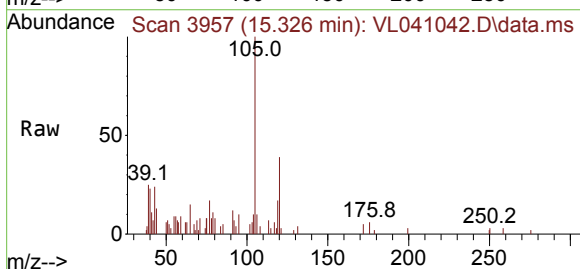
Acq: 7 Feb 2024 16:02

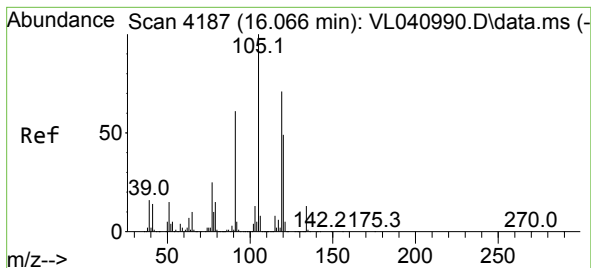
Tgt Ion:105 Resp: 12343

Ion Ratio Lower Upper

105 100

120 13.1 37.2 55.8#





#74

1,2,4-Trimethylbenzene

Concen: 0.269 ppbv

RT: 16.085 min Scan# 4187

Delta R.T. 0.003 min

Lab File: VL041042.D

Acq: 7 Feb 2024 16:02

Instrument :

MSVOA_L

ClientSampleId :

SV-1

Tgt Ion:105 Resp: 82611

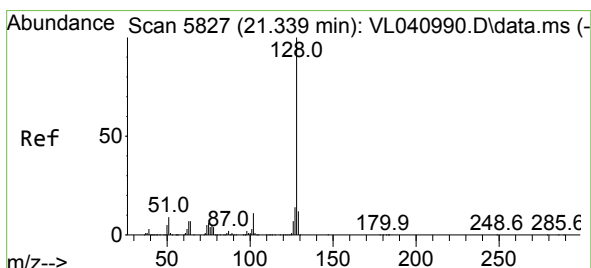
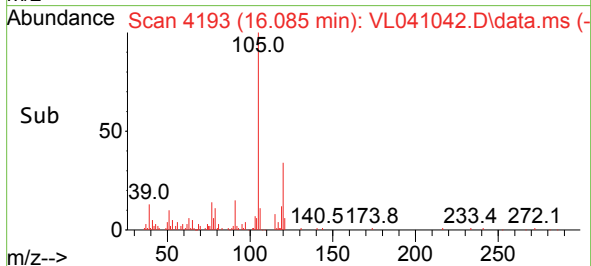
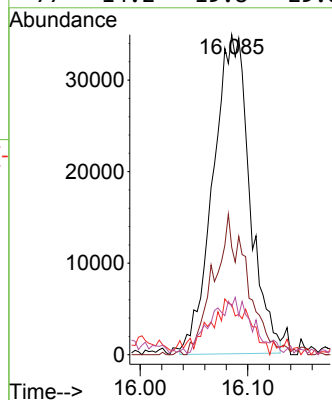
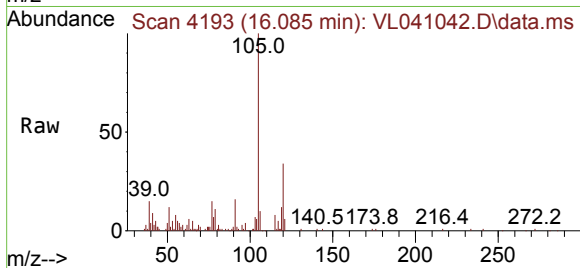
Ion Ratio Lower Upper

105 100

120 38.9 39.3 58.9#

91 13.4 48.7 73.1#

77 14.2 19.8 29.8#



#79

Naphthalene

Concen: 0.068 ppbv

RT: 21.361 min Scan# 5834

Delta R.T. 0.006 min

Lab File: VL041042.D

Acq: 7 Feb 2024 16:02

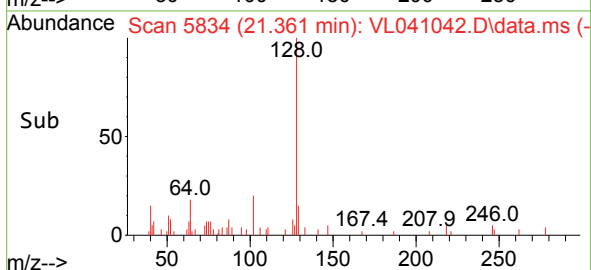
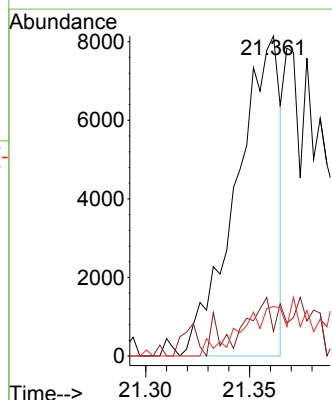
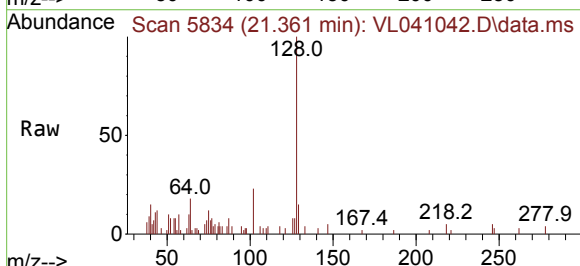
Tgt Ion:128 Resp: 11832

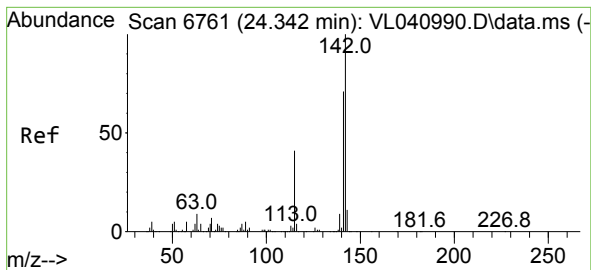
Ion Ratio Lower Upper

128 100

127 1.6 10.9 16.3#

129 15.5 9.3 13.9#





#80

Naphthalene, 2-methyl-

Concen: 0.136 ppbv

RT: 24.365 min Scan# 61

Delta R.T. 0.013 min

Lab File: VL041042.D

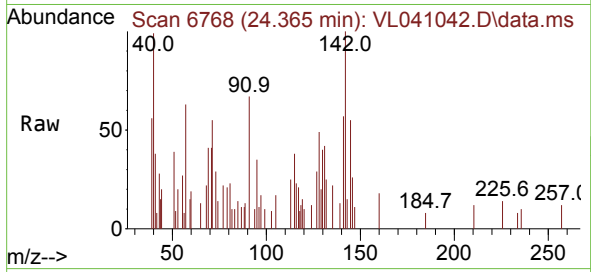
Acq: 7 Feb 2024 16:02

Instrument :

MSVOA_L

ClientSampleId :

SV-1



Tgt Ion:142 Resp: 4169

Ion Ratio Lower Upper

142 100

141 160.6 62.7 94.1#

115 164.1 34.0 51.0#

