

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082224\
 Data File : VL041585.D
 Acq On : 22 Aug 2024 13:34
 Operator : SY/MD
 Sample : P3710-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 23 01:31:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Aug 23 01:15:26 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	949483	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2431174	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	2277689	10.000	ppbv	# 0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	1788253	10.202	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.000%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.748	85	39442	0.241	ppbv	98
3) Chlorodifluoromethane	2.671	51	306961	2.716	ppbv #	65
4) Chloromethane	2.832	50	45890	0.763	ppbv	96
7) Chloroethane	3.205	64	759	0.037	ppbv #	81
9) Propene	2.722	41	115695	2.228	ppbv #	73
10) Heptane	7.571	43	9890	0.085	ppbv #	1
11) Trichlorofluoromethane	3.578	101	37872	0.261	ppbv #	76
12) 1,1,2-Trichlorotri fluo...	4.073	101	5538	0.053	ppbv #	52
13) Ethanol	3.253	45	3057353	658.789	ppbv	98
15) Acetone	3.475	43	5572109	51.651	ppbv	100
16) 1,3-Butadiene	2.983	39	14780	0.256	ppbv #	56
17) tert-Butyl alcohol	3.899	59	44704	0.454	ppbv #	1
19) Isopropyl Alcohol	3.590	45	2800385	44.401	ppbv	99
20) Methylene Chloride	3.944	84	88628	2.203	ppbv	93
21) Allyl Chloride	3.899	41	7168	0.101	ppbv #	59
23) Vinyl Acetate	4.619	43	95376	1.158	ppbv #	86
25) Ethyl Acetate	5.201	43	430640	2.009	ppbv #	82
26) Hexane	5.217	57	22869	0.257	ppbv #	1
27) Carbon Disulfide	4.127	76	10138	0.097	ppbv #	10
29) Chloroform	5.275	83	53096	0.366	ppbv	98
31) cis-1,2-Dichloroethene	5.201	61	50428	0.574	ppbv #	24
34) 2-Butanone	4.790	43	225638	1.919	ppbv	99
35) Carbon Tetrachloride	6.494	117	5234	0.039	ppbv #	76
36) Benzene	6.368	78	39398	0.222	ppbv #	91
37) 1,2-Dichloroethane	5.806	62	181265	1.823	ppbv	99
39) 1,2-Dichloropropane	6.651	63	611286	8.988	ppbv #	25
41) Tetrahydrofuran	5.558	42	2060	0.031	ppbv #	1
43) Methyl Methacrylate	7.468	69	3070	0.048	ppbv #	1
44) 2,2,4-Trimethylpentane	7.323	57	122767	0.414	ppbv #	80
50) 4-Methyl-2-Pentanone	8.185	43	10644	0.057	ppbv #	87
52) Tetrachloroethene	10.609	164	143500	2.091	ppbv	99
53) Toluene	9.214	91	1428041	7.217	ppbv	100
58) Ethyl Benzene	12.076	91	69080	0.263	ppbv	98
59) m/p-Xylene	12.359	91	38578	0.170	ppbv #	31
60) o-Xylene	13.053	91	19426	0.091	ppbv #	30
61) Styrene	12.889	104	23595	0.244	ppbv #	1
69) p-Isopropyltoluene	16.989	119	15154	0.045	ppbv #	47
74) 1,2,4-Trimethylbenzene	16.101	105	22509	0.089	ppbv #	69

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

Instrument :

MSVOA L

ClientSampleId :

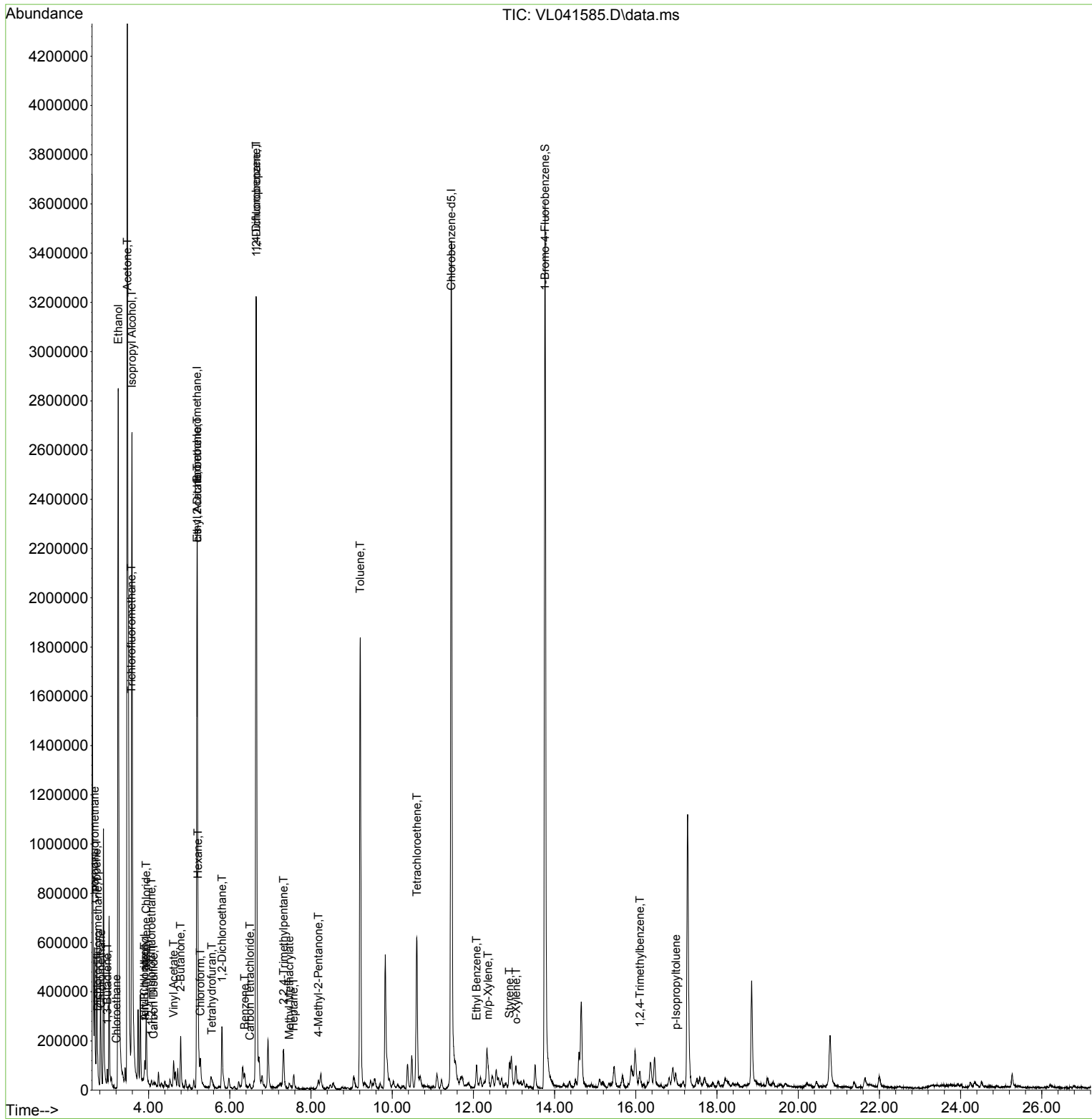
Quant Time: Aug 23 01:31:48 2024

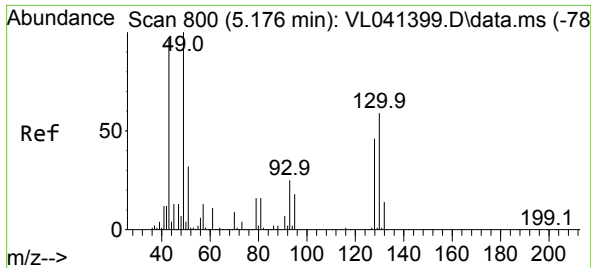
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

QLast Update : Fri Aug 23 01:15:26 2024

Response via : Initial Calibration

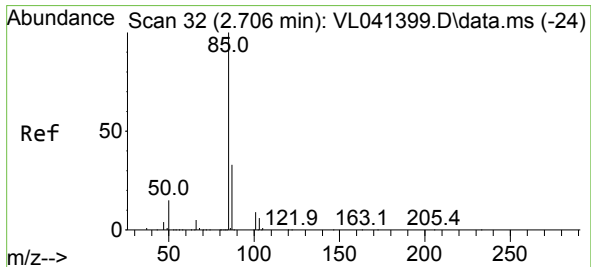
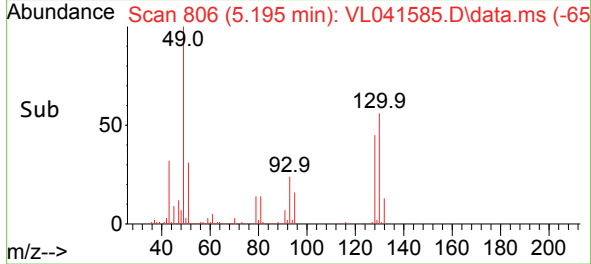
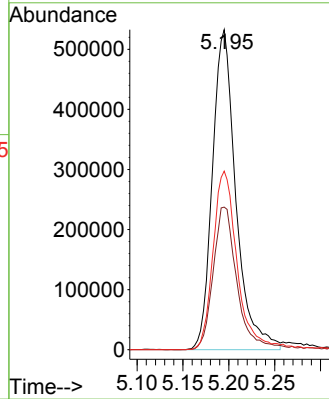
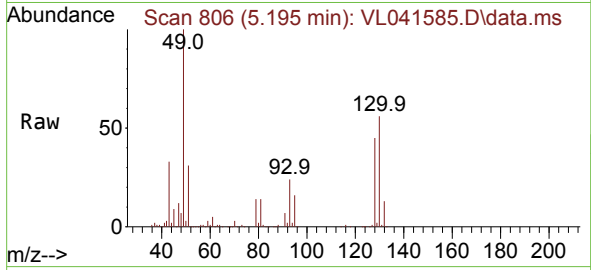




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.195 min Scan# 80
 Delta R.T. 0.003 min
 Lab File: VL041585.D
 Acq: 22 Aug 2024 13:34

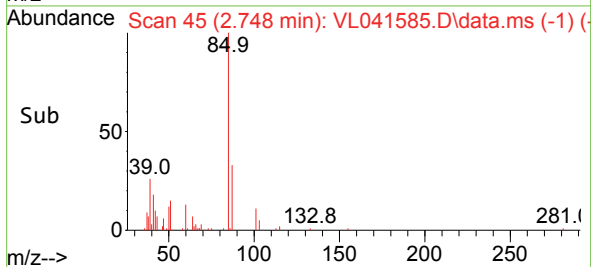
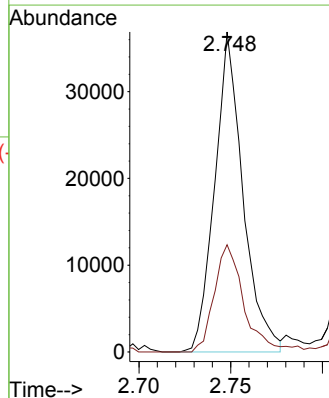
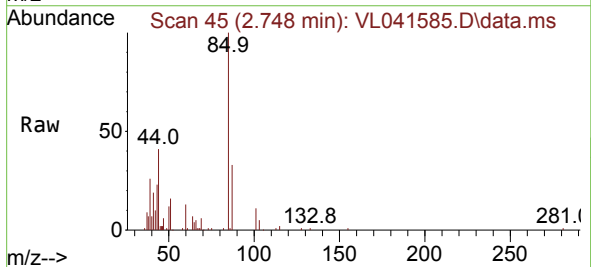
Instrument :
 MSVOA_L
 ClientSampleId :

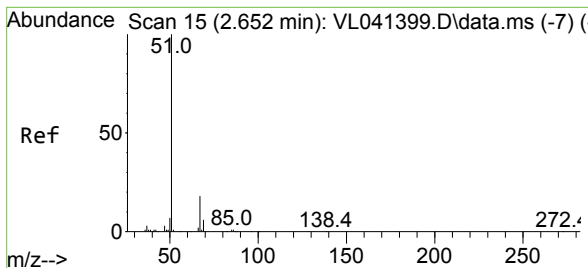
Tgt Ion: 49 Resp: 949483
 Ion Ratio Lower Upper
 49 100
 128 46.4 23.8 71.4
 130 59.1 30.8 92.4



#2
 Dichlorodifluoromethane
 Concen: 0.241 ppbv
 RT: 2.748 min Scan# 45
 Delta R.T. 0.003 min
 Lab File: VL041585.D
 Acq: 22 Aug 2024 13:34

Tgt Ion: 85 Resp: 39442
 Ion Ratio Lower Upper
 85 100
 87 33.5 26.0 39.0





#3

Chlorodifluoromethane

Concen: 2.716 ppbv

RT: 2.671 min Scan# 21

Delta R.T. -0.019 min

Lab File: VL041585.D

Acq: 22 Aug 2024 13:34

Instrument :

MSVOA_L

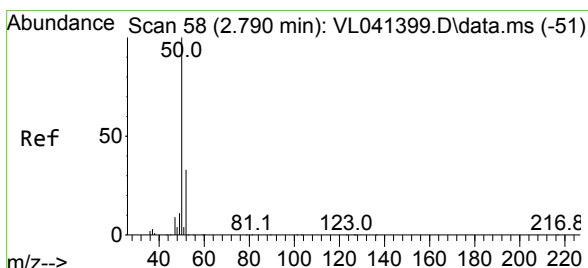
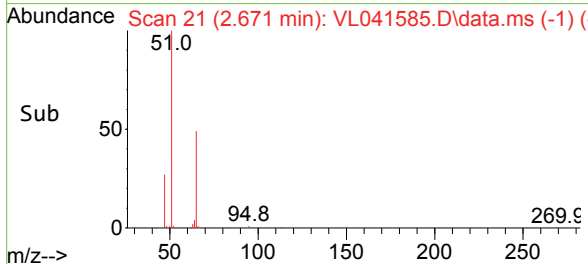
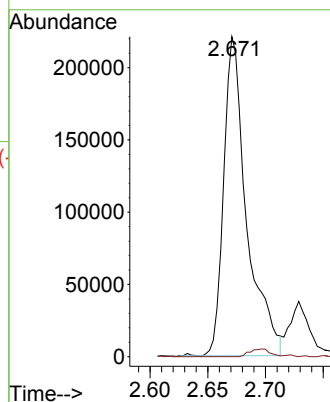
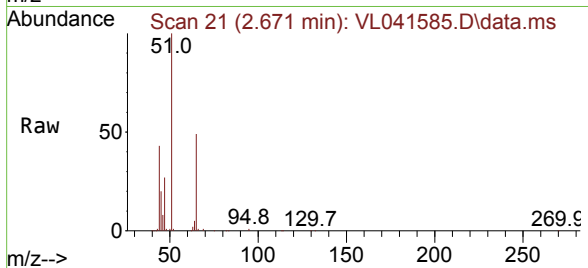
ClientSampleId :

Tgt Ion: 51 Resp: 306961

Ion Ratio Lower Upper

51 100

67 2.4 14.5 21.7#



#4

Chloromethane

Concen: 0.763 ppbv

RT: 2.832 min Scan# 71

Delta R.T. 0.006 min

Lab File: VL041585.D

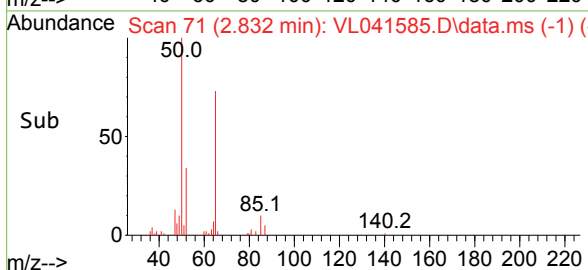
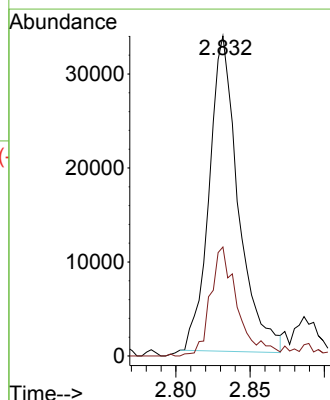
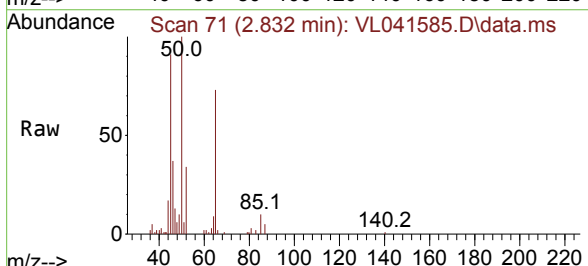
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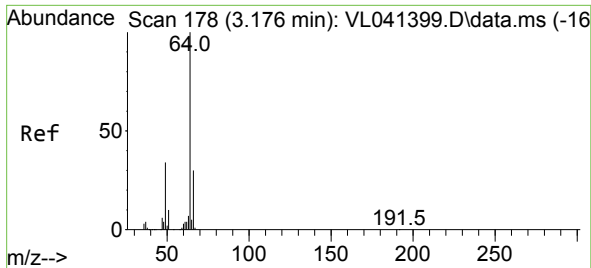
Tgt Ion: 50 Resp: 45890

Ion Ratio Lower Upper

50 100

52 34.7 26.1 39.1

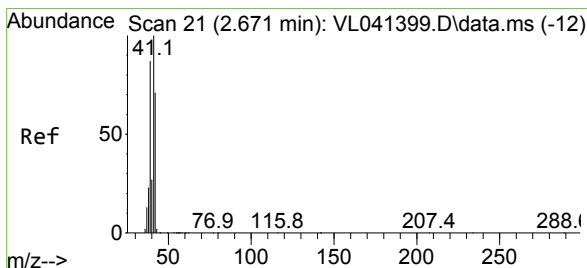
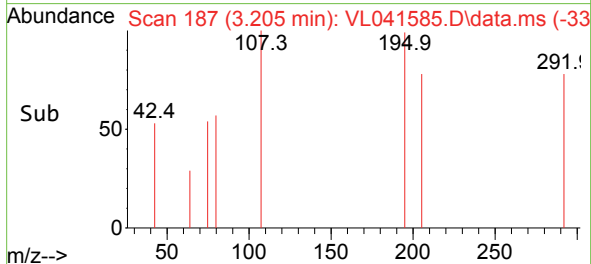
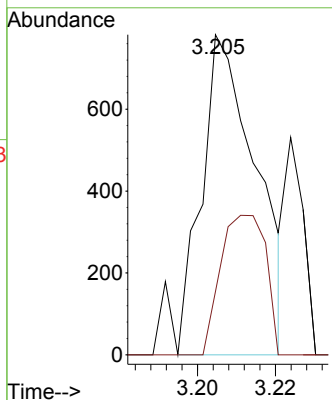
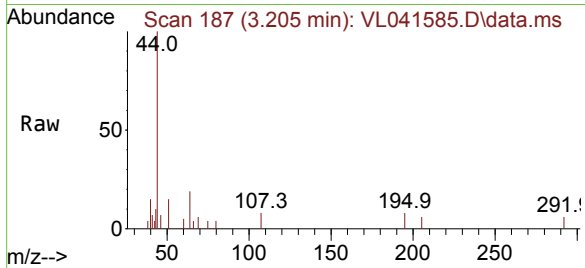




#7
Chloroethane
Concen: 0.037 ppbv
RT: 3.205 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL041585.D
Acq: 22 Aug 2024 13:34

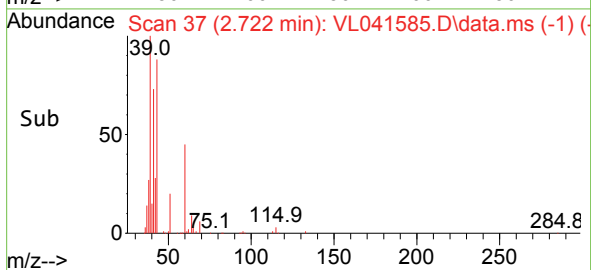
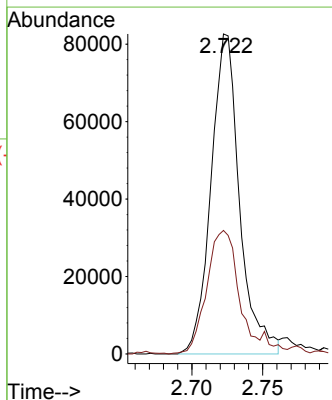
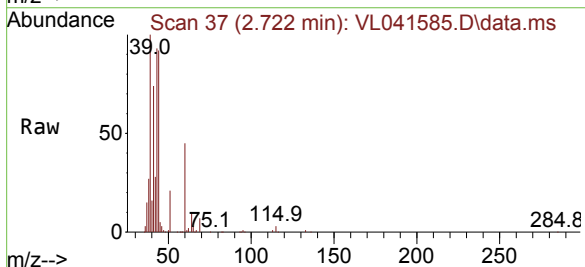
Instrument :
MSVOA_L
ClientSampleId :

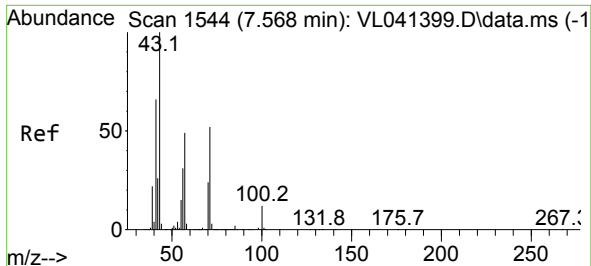
Tgt Ion: 64 Resp: 759
Ion Ratio Lower Upper
64 100
66 19.8 24.2 36.2#



#9
Propene
Concen: 2.228 ppbv
RT: 2.722 min Scan# 37
Delta R.T. 0.013 min
Lab File: VL041585.D
Acq: 22 Aug 2024 13:34

Tgt Ion: 41 Resp: 115695
Ion Ratio Lower Upper
41 100
42 47.6 55.9 83.9#

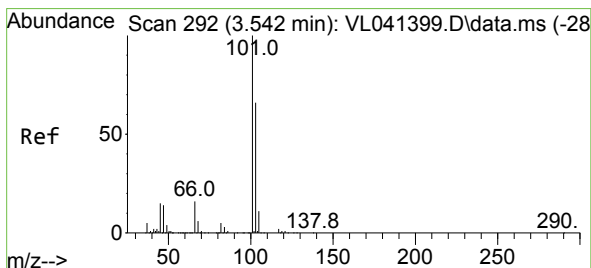
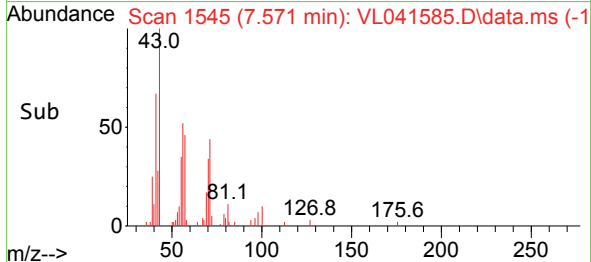
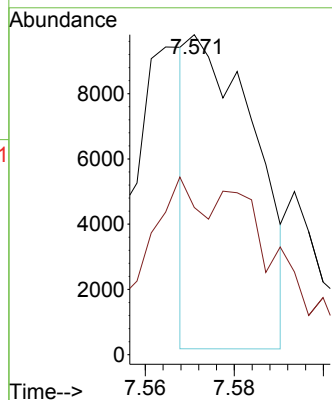
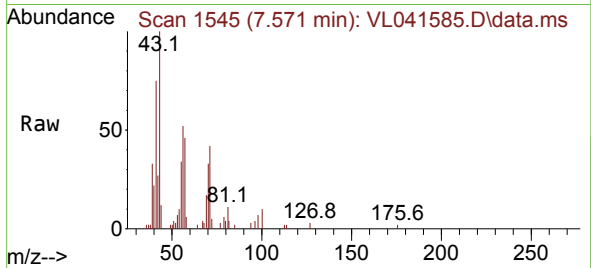




#10
Heptane
Concen: 0.085 ppbv
RT: 7.571 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL041585.D
Acq: 22 Aug 2024 13:34

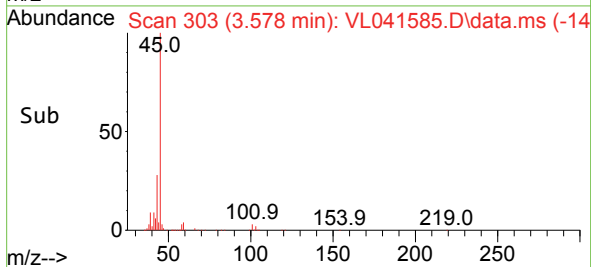
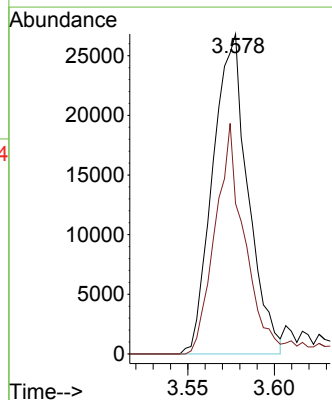
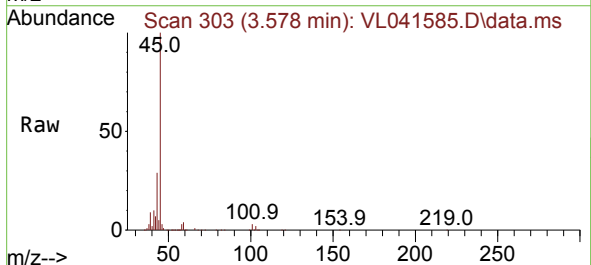
Instrument :
MSVOA_L
ClientSampleId :

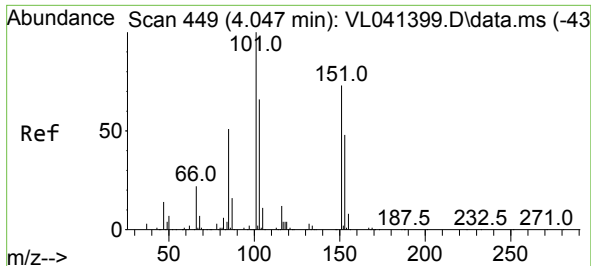
Tgt Ion: 43 Resp: 9890
Ion Ratio Lower Upper
43 100
57 119.1 40.5 60.7#



#11
Trichlorofluoromethane
Concen: 0.261 ppbv
RT: 3.578 min Scan# 303
Delta R.T. 0.006 min
Lab File: VL041585.D
Acq: 22 Aug 2024 13:34

Tgt Ion:101 Resp: 37872
Ion Ratio Lower Upper
101 100
103 46.9 52.6 79.0#





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.053 ppbv

RT: 4.073 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL041585.D

Acq: 22 Aug 2024 13:34

Instrument :

MSVOA_L

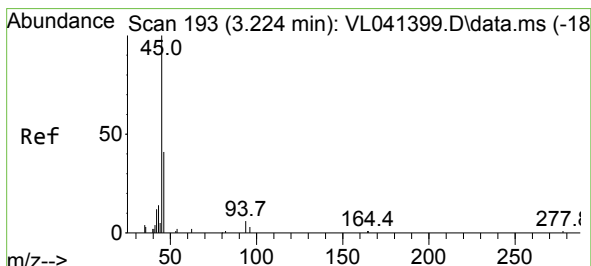
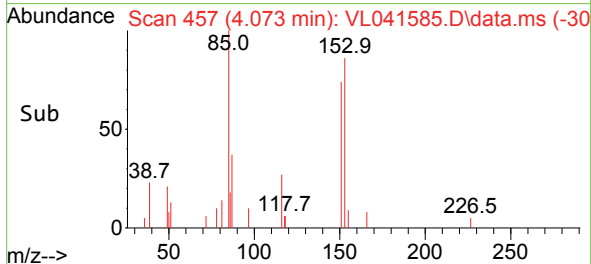
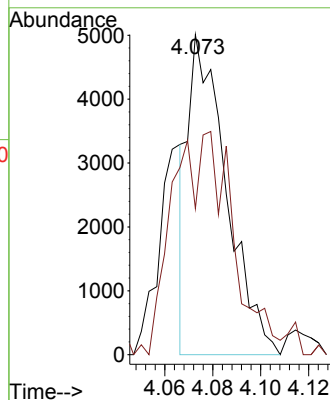
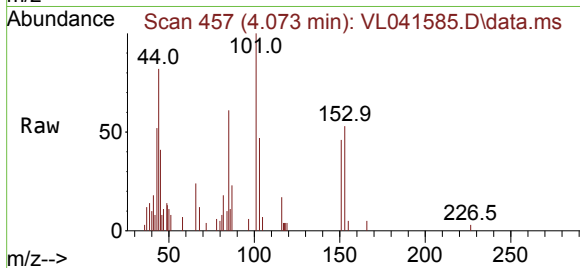
ClientSampleId :

Tgt Ion:101 Resp: 5538

Ion Ratio Lower Upper

101 100

151 115.3 59.4 89.2#



#13

Ethanol

Concen: 658.789 ppbv

RT: 3.253 min Scan# 202

Delta R.T. -0.010 min

Lab File: VL041585.D

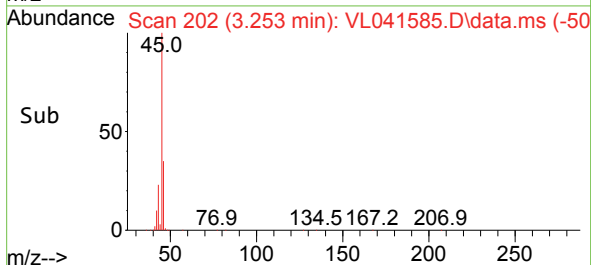
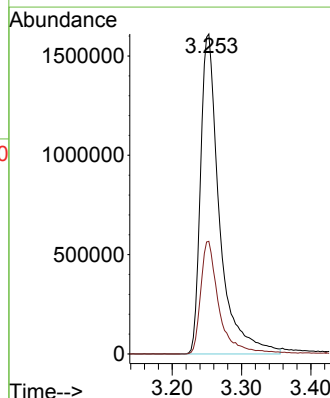
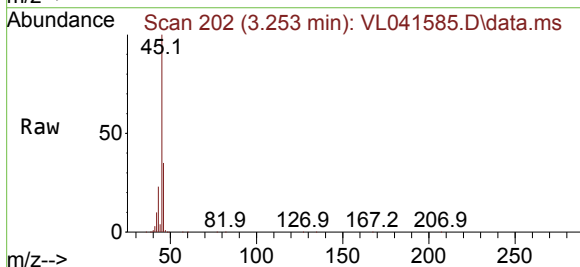
Acq: 22 Aug 2024 13:34

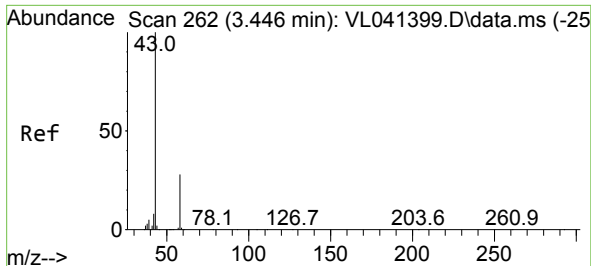
Tgt Ion: 45 Resp: 3057353

Ion Ratio Lower Upper

45 100

46 34.7 13.4 53.4





#15

Acetone

Concen: 51.651 ppbv

RT: 3.475 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL041585.D

Acq: 22 Aug 2024 13:34

Instrument :

MSVOA_L

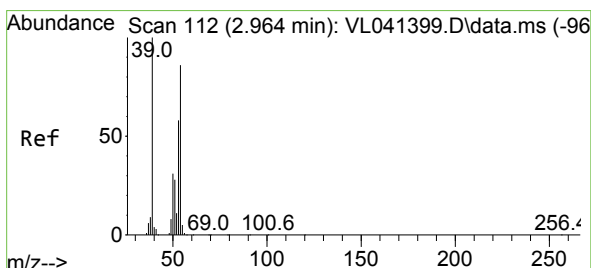
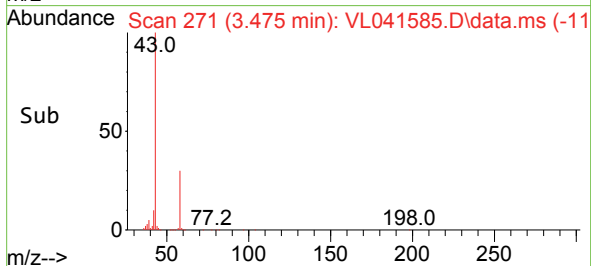
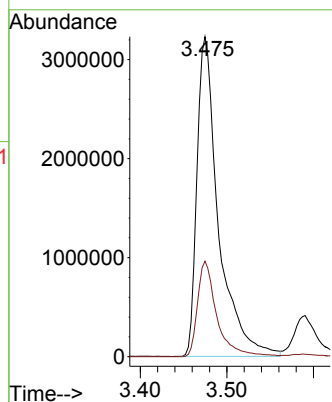
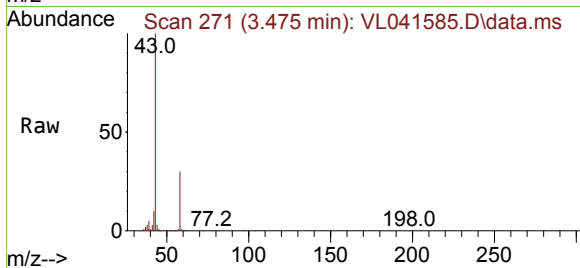
ClientSampleId :

Tgt Ion: 43 Resp: 5572109

Ion Ratio Lower Upper

43 100

58 26.8 21.4 32.2



#16

1,3-Butadiene

Concen: 0.256 ppbv

RT: 2.983 min Scan# 118

Delta R.T. -0.013 min

Lab File: VL041585.D

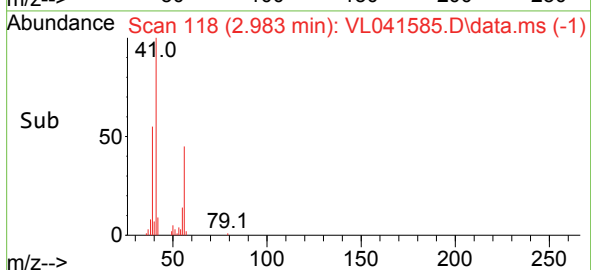
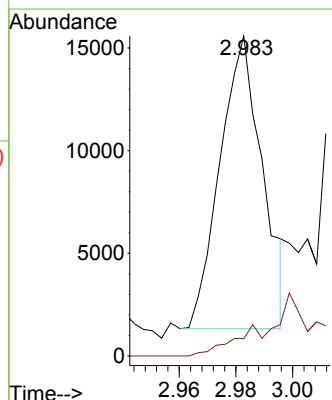
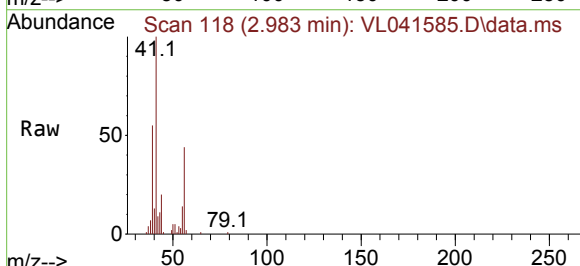
Acq: 22 Aug 2024 13:34

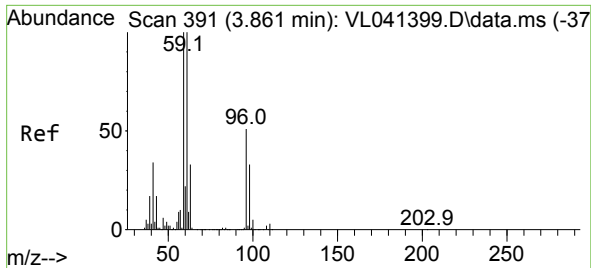
Tgt Ion: 39 Resp: 14780

Ion Ratio Lower Upper

39 100

54 39.6 62.5 93.7#

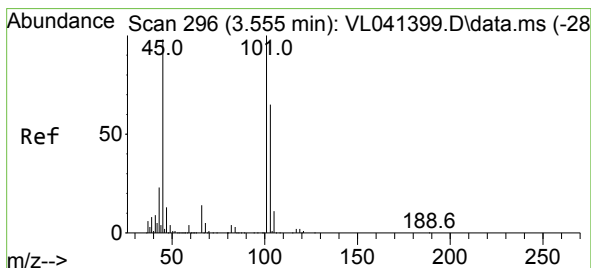
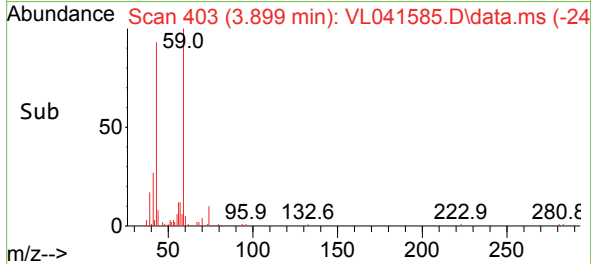
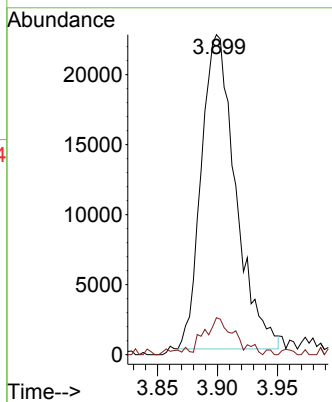
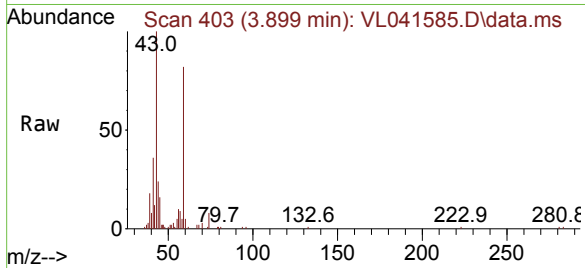




#17
tert-Butyl alcohol
Concen: 0.454 ppbv
RT: 3.899 min Scan# 403
Delta R.T. 0.016 min
Lab File: VL041585.D
Acq: 22 Aug 2024 13:34

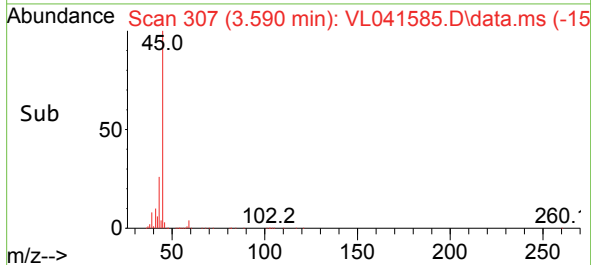
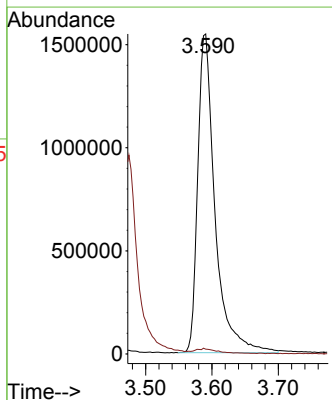
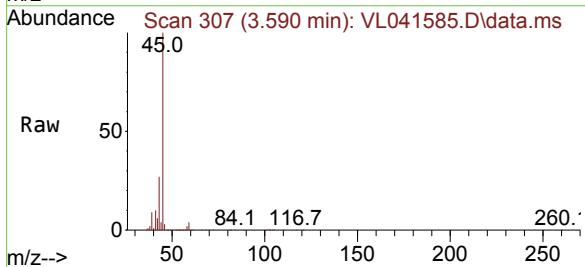
Instrument :
MSVOA_L
ClientSampleId :

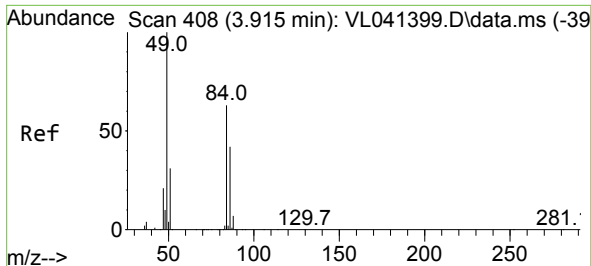
Tgt Ion: 59 Resp: 44704
Ion Ratio Lower Upper
59 100
57 48.9 8.6 12.8#



#19
Isopropyl Alcohol
Concen: 44.401 ppbv
RT: 3.590 min Scan# 307
Delta R.T. 0.006 min
Lab File: VL041585.D
Acq: 22 Aug 2024 13:34

Tgt Ion: 45 Resp: 2800385
Ion Ratio Lower Upper
45 100
58 2.6 1.9 2.9

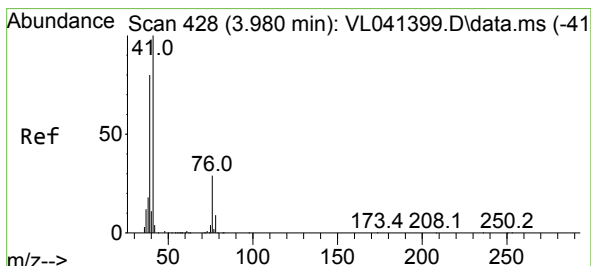
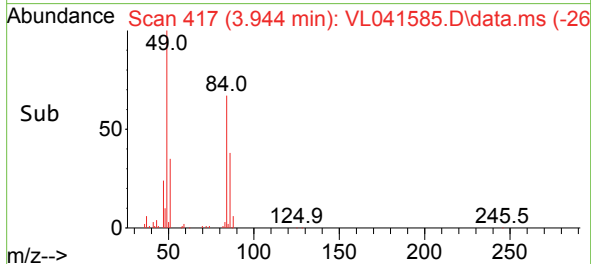
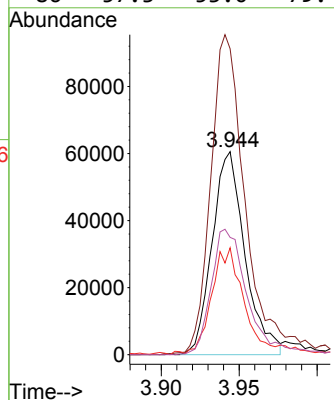
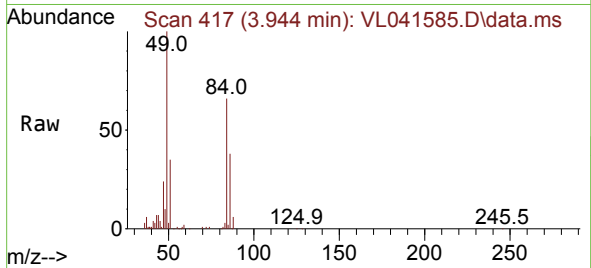




#20
Methylene Chloride
Concen: 2.203 ppbv
RT: 3.944 min Scan# 417
Delta R.T. 0.006 min
Lab File: VL041585.D
Acq: 22 Aug 2024 13:34

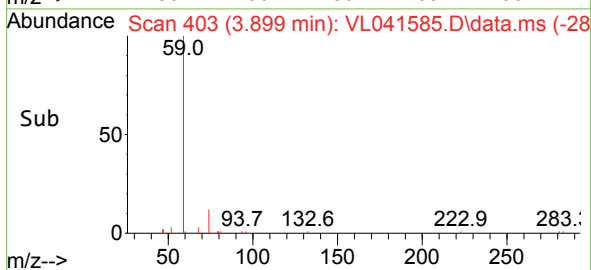
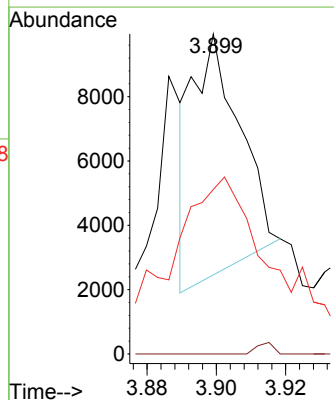
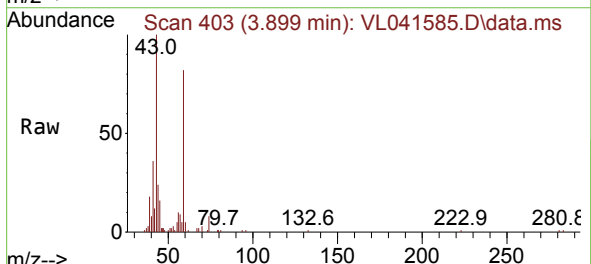
Instrument :
MSVOA_L
ClientSampleId :

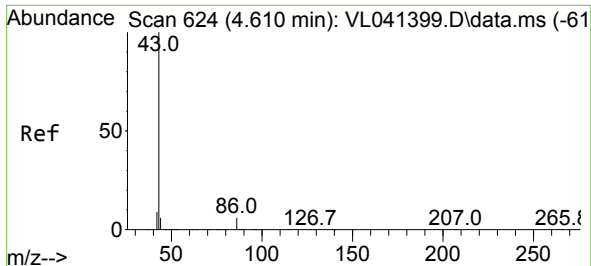
Tgt Ion: 84 Resp: 88628
Ion Ratio Lower Upper
84 100
49 149.6 126.6 190.0
51 51.2 38.6 58.0
86 57.3 53.0 79.4



#21
Allyl Chloride
Concen: 0.101 ppbv
RT: 3.899 min Scan# 403
Delta R.T. -0.103 min
Lab File: VL041585.D
Acq: 22 Aug 2024 13:34

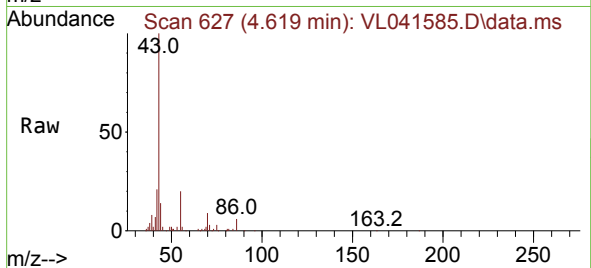
Tgt Ion: 41 Resp: 7168
Ion Ratio Lower Upper
41 100
76 0.0 23.7 35.5#
39 112.0 64.3 96.5#



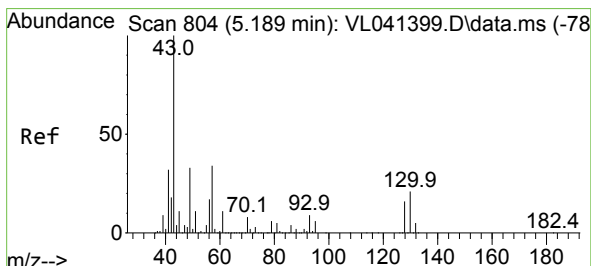
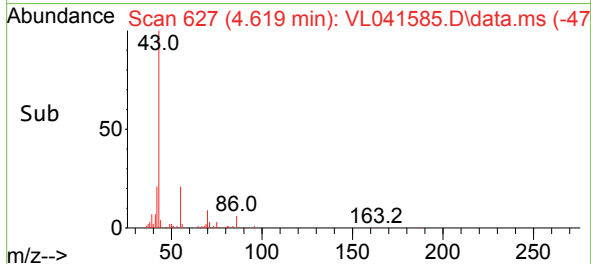
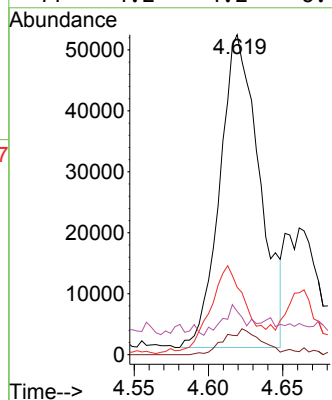


#23
 Vinyl Acetate
 Concen: 1.158 ppbv
 RT: 4.619 min Scan# 61
 Delta R.T. -0.010 min
 Lab File: VL041585.D
 Acq: 22 Aug 2024 13:34

Instrument :
 MSVOA_L
 ClientSampleId :

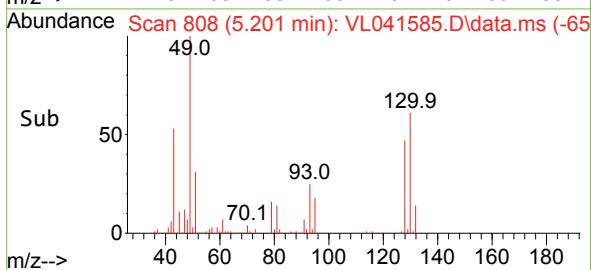
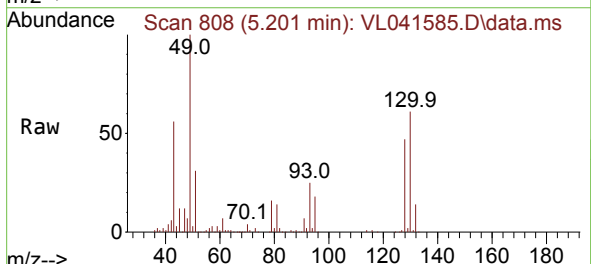
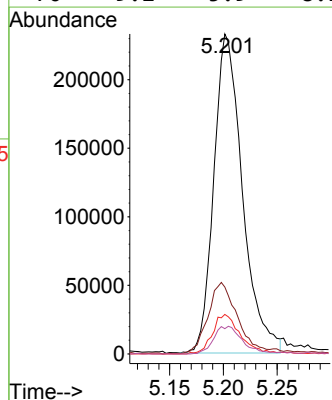


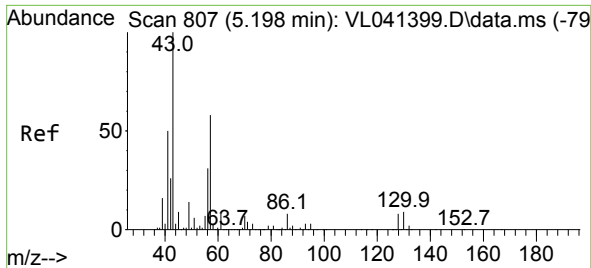
Tgt Ion: 43	Resp: 95376
Ion Ratio	Lower Upper
43 100	
86 6.1	4.6 6.8
42 20.1	7.9 11.9#
44 4.2	4.2 6.4#



#25
 Ethyl Acetate
 Concen: 2.009 ppbv
 RT: 5.201 min Scan# 808
 Delta R.T. -0.003 min
 Lab File: VL041585.D
 Acq: 22 Aug 2024 13:34

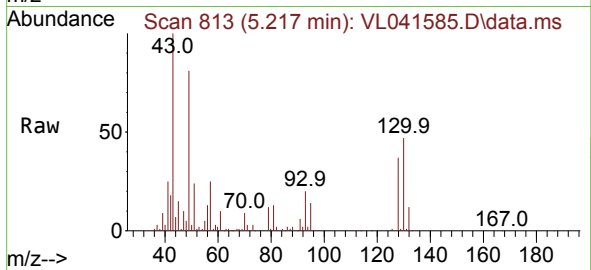
Tgt	Ion: 43	Resp:	430640
Ion	Ratio	Lower	Upper
43	100		
45	24.6	8.5	12.7#
61	12.6	8.0	12.0#
70	9.2	5.9	8.9#



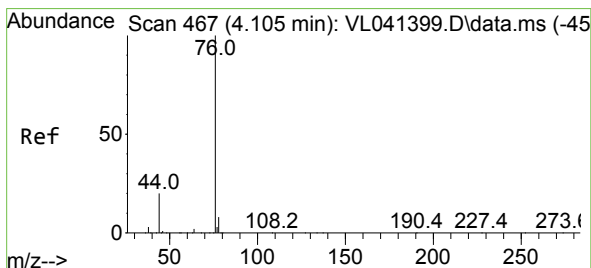
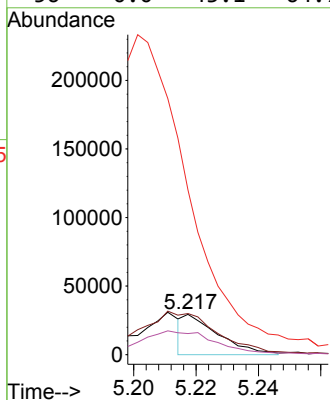
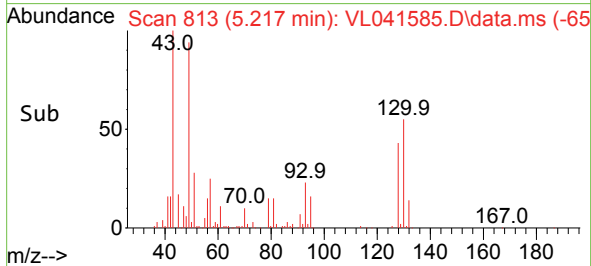


#26
Hexane
Concen: 0.257 ppbv
RT: 5.217 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL041585.D
Acq: 22 Aug 2024 13:34

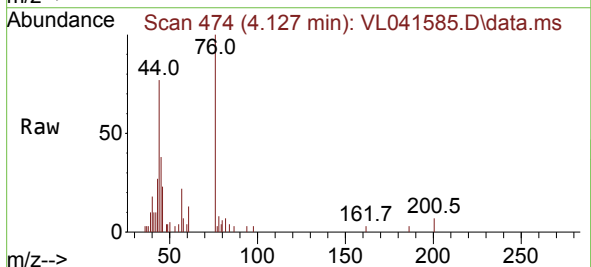
Instrument :
MSVOA_L
ClientSampleId :



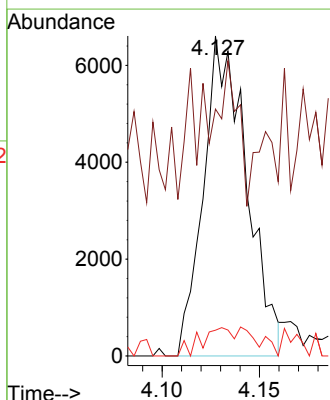
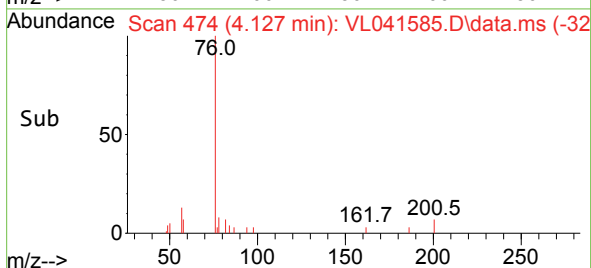
Tgt Ion: 57 Resp: 22869
Ion Ratio Lower Upper
57 100
41 0.0 74.0 111.0#
43 0.0 193.6 290.4#
56 0.0 43.1 64.7#

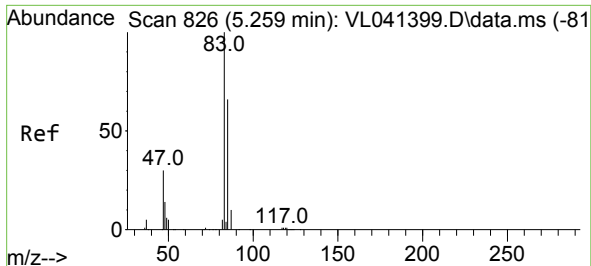


#27
Carbon Disulfide
Concen: 0.097 ppbv
RT: 4.127 min Scan# 474
Delta R.T. -0.003 min
Lab File: VL041585.D
Acq: 22 Aug 2024 13:34



Tgt Ion: 76 Resp: 10138
Ion Ratio Lower Upper
76 100
44 77.6 15.6 23.4#
78 15.0 7.7 11.5#





#29

Chloroform

Concen: 0.366 ppbv

RT: 5.275 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL041585.D

Acq: 22 Aug 2024 13:34

Instrument :

MSVOA_L

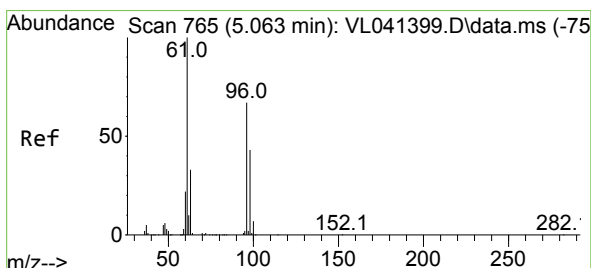
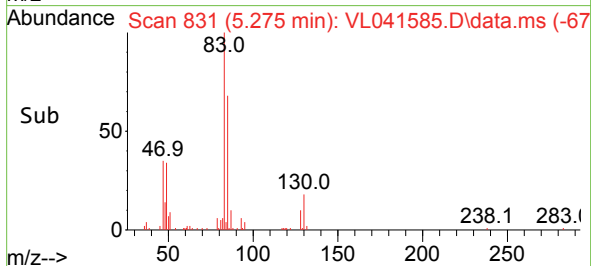
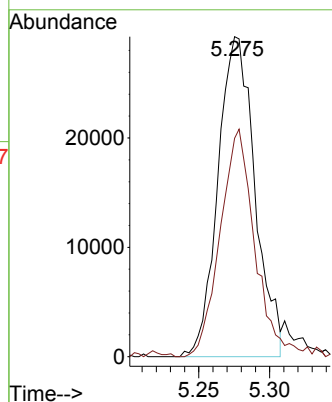
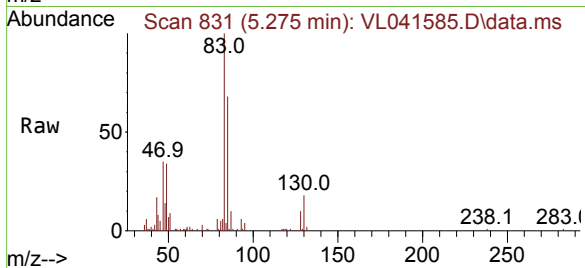
ClientSampleId :

Tgt Ion: 83 Resp: 53096

Ion Ratio Lower Upper

83 100

85 68.2 53.1 79.7



#31

cis-1,2-Dichloroethene

Concen: 0.574 ppbv

RT: 5.201 min Scan# 808

Delta R.T. 0.122 min

Lab File: VL041585.D

Acq: 22 Aug 2024 13:34

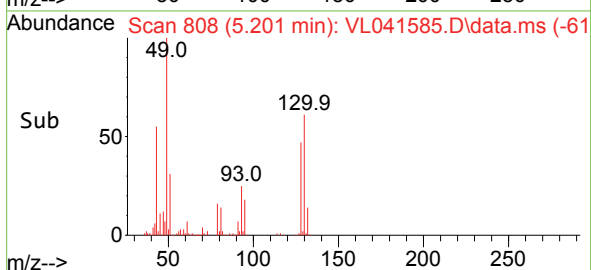
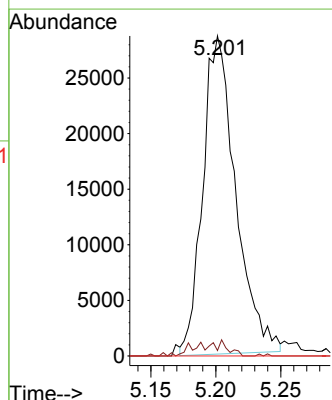
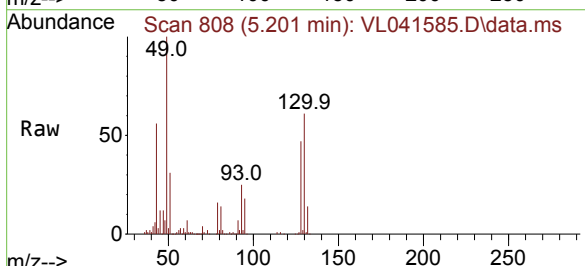
Tgt Ion: 61 Resp: 50428

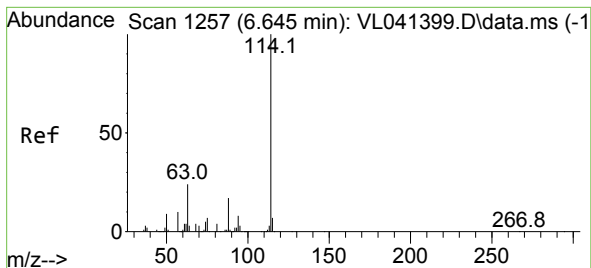
Ion Ratio Lower Upper

61 100

96 1.7 53.4 80.2#

98 0.0 34.4 51.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.648 min Scan# 11

Delta R.T. -0.000 min

Lab File: VL041585.D

Acq: 22 Aug 2024 13:34

Instrument :

MSVOA_L

ClientSampleId :

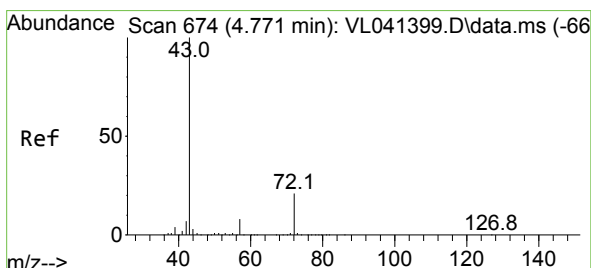
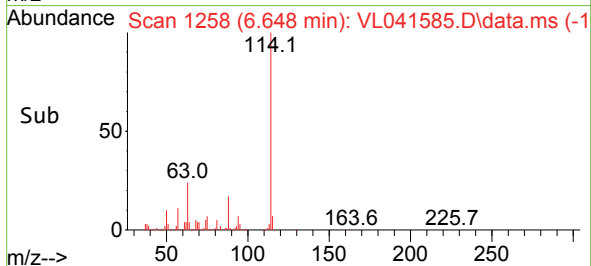
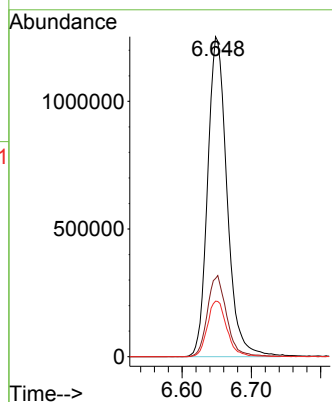
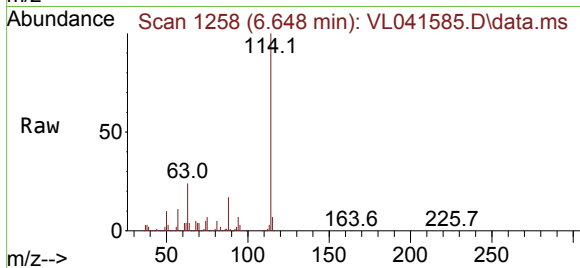
Tgt Ion:114 Resp: 2431174

Ion Ratio Lower Upper

114 100

63 25.3 20.3 30.5

88 17.6 14.3 21.5



#34

2-Butanone

Concen: 1.919 ppbv

RT: 4.790 min Scan# 680

Delta R.T. 0.003 min

Lab File: VL041585.D

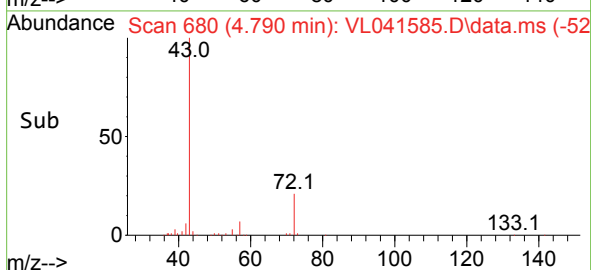
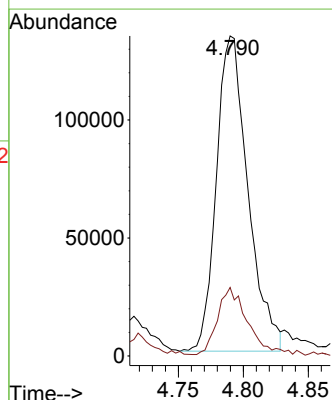
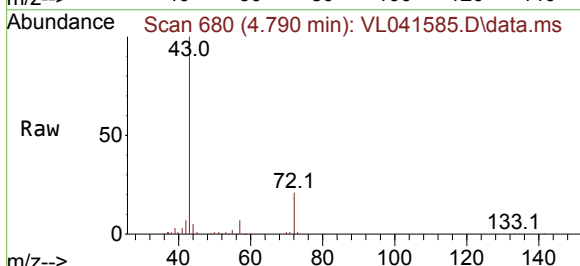
Acq: 22 Aug 2024 13:34

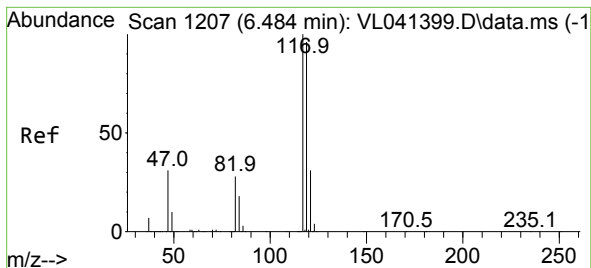
Tgt Ion: 43 Resp: 225638

Ion Ratio Lower Upper

43 100

72 22.3 17.3 25.9





#35

Carbon Tetrachloride

Concen: 0.039 ppbv

RT: 6.494 min Scan# 1171

Delta R.T. 0.003 min

Lab File: VL041585.D

Acq: 22 Aug 2024 13:34

Instrument :

MSVOA_L

ClientSampleId :

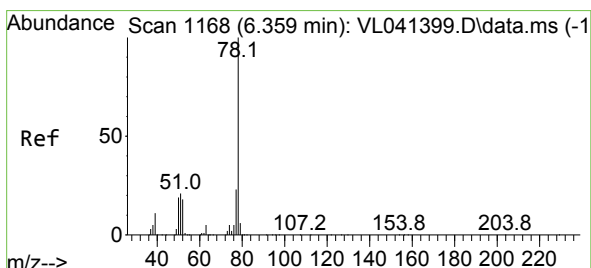
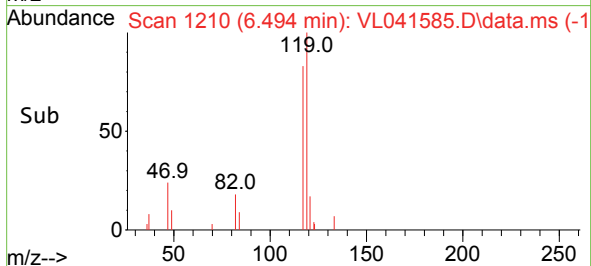
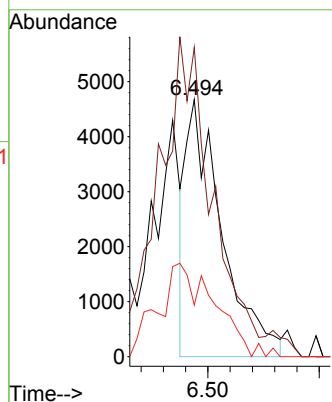
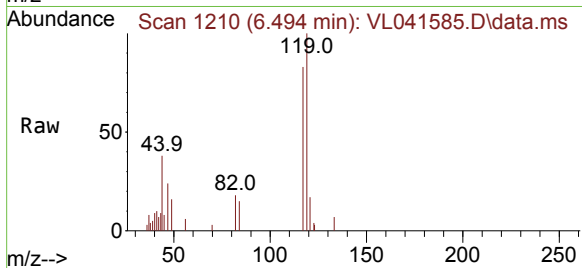
Tgt Ion:117 Resp: 5234

Ion Ratio Lower Upper

117 100

119 120.8 76.6 115.0#

121 21.4 25.1 37.7#



#36

Benzene

Concen: 0.222 ppbv

RT: 6.368 min Scan# 1171

Delta R.T. -0.000 min

Lab File: VL041585.D

Acq: 22 Aug 2024 13:34

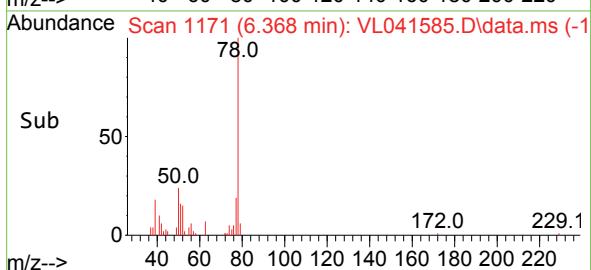
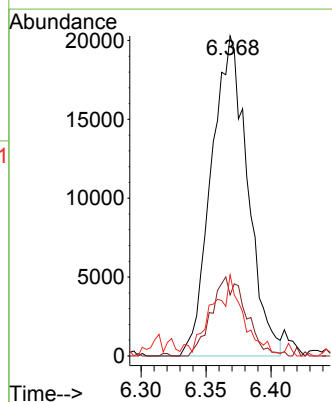
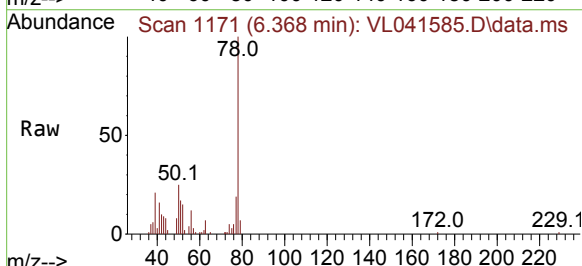
Tgt Ion: 78 Resp: 39398

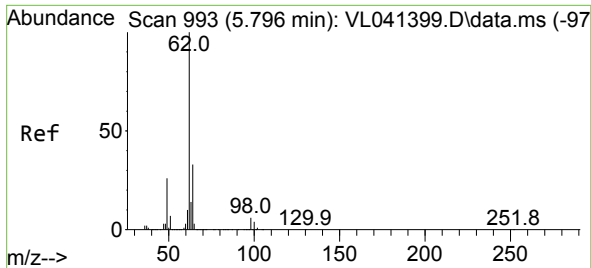
Ion Ratio Lower Upper

78 100

77 19.1 18.1 27.1

50 24.5 15.5 23.3#





#37

1,2-Dichloroethane

Concen: 1.823 ppbv

RT: 5.806 min Scan# 993

Delta R.T. -0.000 min

Lab File: VL041585.D

Acq: 22 Aug 2024 13:34

Instrument :

MSVOA_L

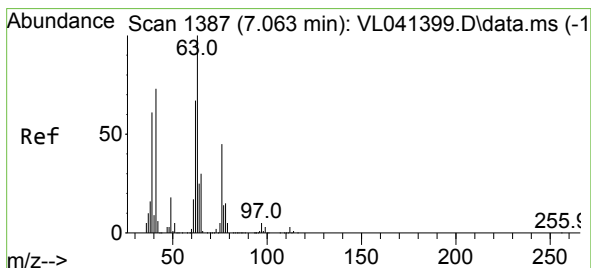
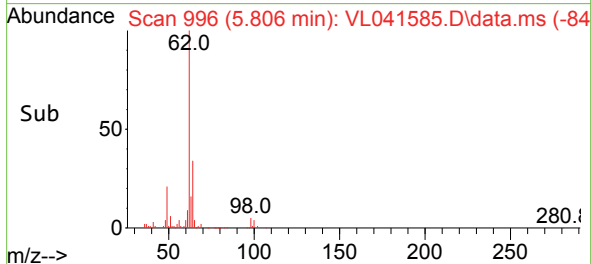
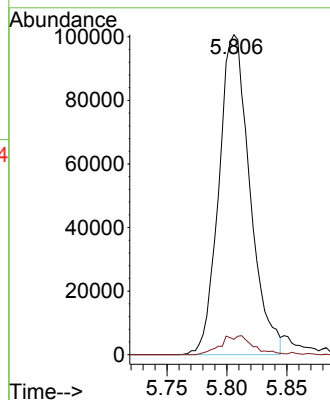
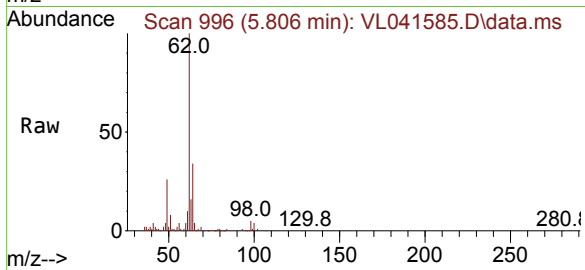
ClientSampleId :

Tgt Ion: 62 Resp: 181265

Ion Ratio Lower Upper

62 100

98 6.4 5.0 7.4



#39

1,2-Dichloropropane

Concen: 8.988 ppbv

RT: 6.651 min Scan# 1259

Delta R.T. -0.418 min

Lab File: VL041585.D

Acq: 22 Aug 2024 13:34

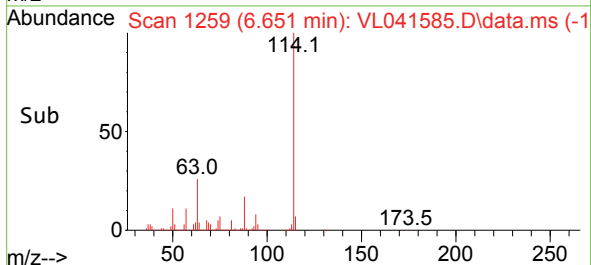
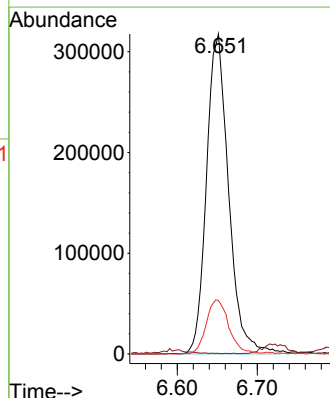
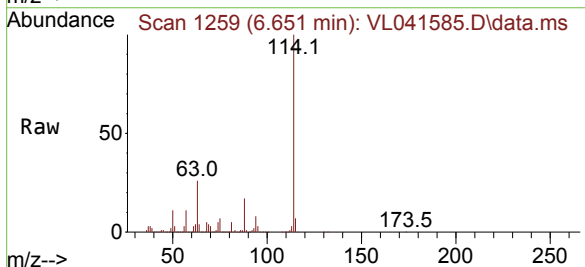
Tgt Ion: 63 Resp: 611286

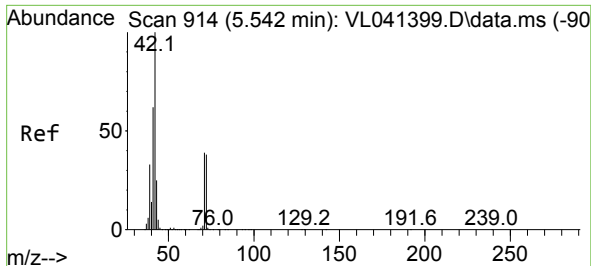
Ion Ratio Lower Upper

63 100

41 0.0 58.3 87.5#

62 16.6 53.9 80.9#





#41

Tetrahydrofuran

Concen: 0.031 ppbv

RT: 5.558 min Scan# 914

Delta R.T. -0.000 min

Lab File: VL041585.D

Acq: 22 Aug 2024 13:34

Instrument :

MSVOA_L

ClientSampleId :

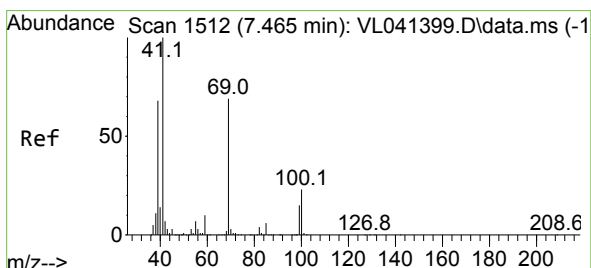
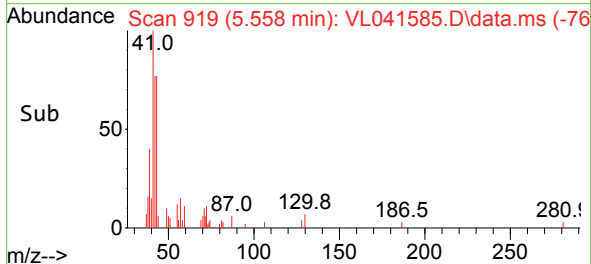
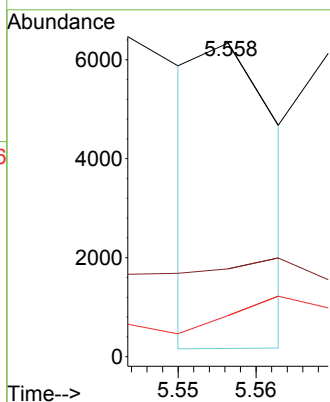
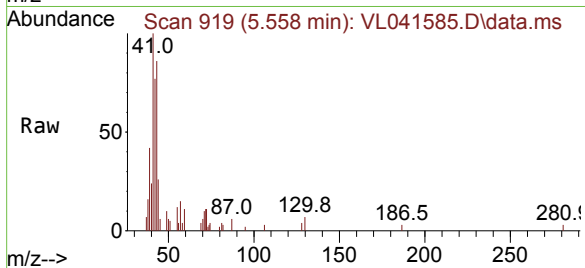
Tgt Ion: 42 Resp: 2060

Ion Ratio Lower Upper

42 100

72 295.0 31.2 46.8#

71 0.0 30.5 45.7#



#43

Methyl Methacrylate

Concen: 0.048 ppbv

RT: 7.468 min Scan# 1513

Delta R.T. -0.000 min

Lab File: VL041585.D

Acq: 22 Aug 2024 13:34

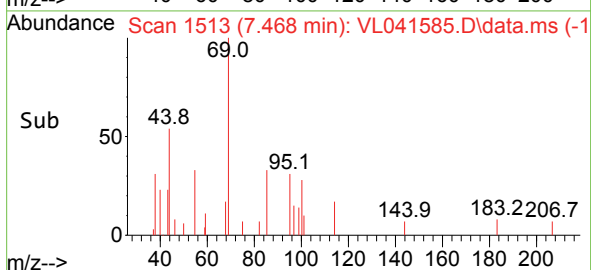
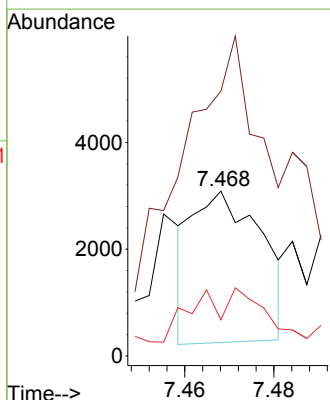
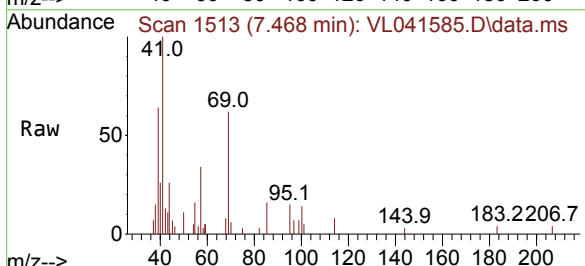
Tgt Ion: 69 Resp: 3070

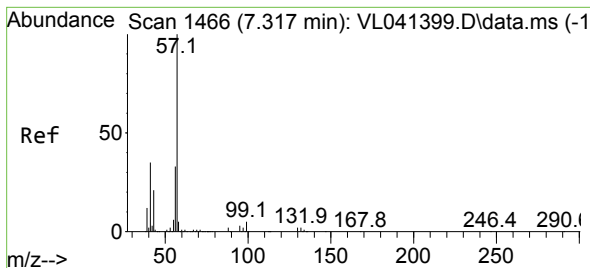
Ion Ratio Lower Upper

69 100

41 346.9 118.7 178.1#

100 77.2 27.0 40.4#





#44

2,2,4-Trimethylpentane

Concen: 0.414 ppbv

RT: 7.323 min Scan# 1468

Delta R.T. 0.003 min

Lab File: VL041585.D

Acq: 22 Aug 2024 13:34

Instrument :

MSVOA_L

ClientSampleId :

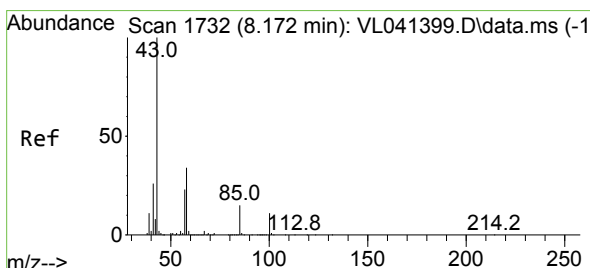
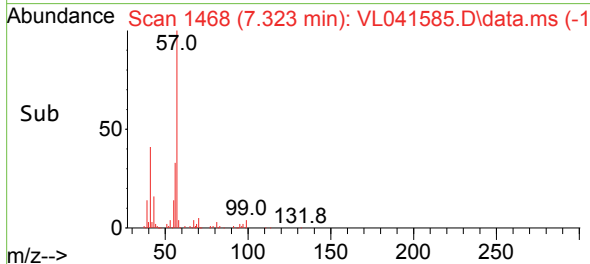
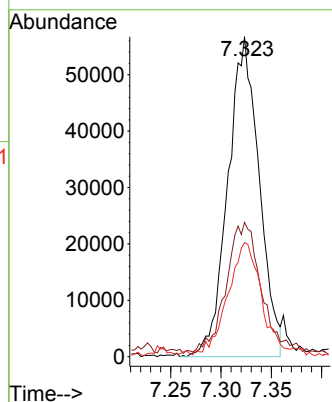
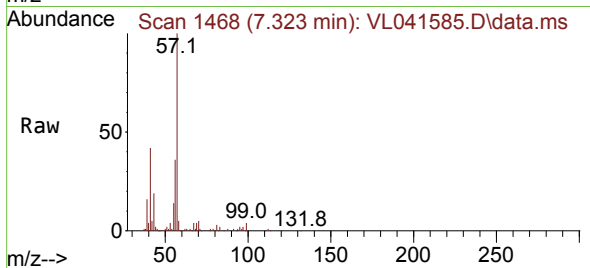
Tgt Ion: 57 Resp: 122767

Ion Ratio Lower Upper

57 100

41 47.6 27.0 40.6#

56 40.6 25.2 37.8#



#50

4-Methyl-2-Pentanone

Concen: 0.057 ppbv

RT: 8.185 min Scan# 1736

Delta R.T. 0.013 min

Lab File: VL041585.D

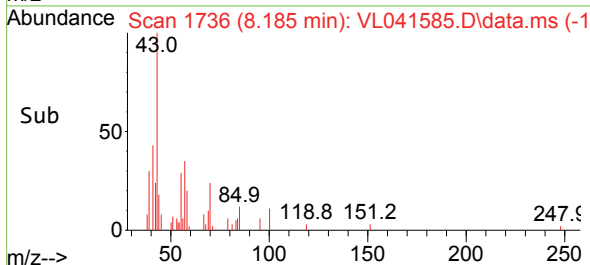
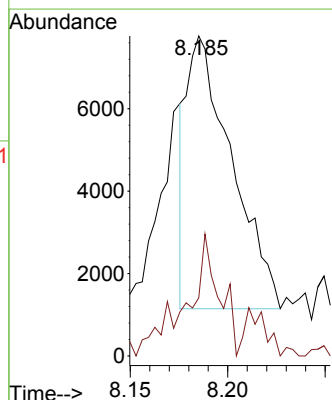
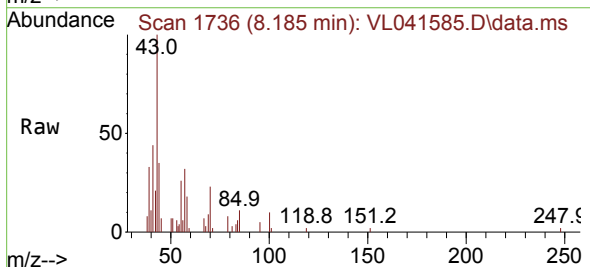
Acq: 22 Aug 2024 13:34

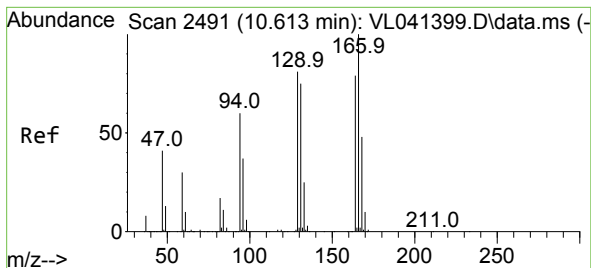
Tgt Ion: 43 Resp: 10644

Ion Ratio Lower Upper

43 100

58 42.5 27.9 41.9#





#52

Tetrachloroethene

Concen: 2.091 ppbv

RT: 10.609 min Scan# 2491

Delta R.T. 0.003 min

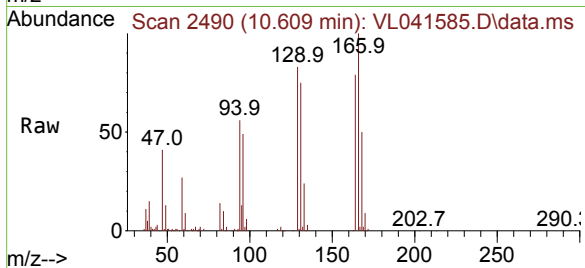
Lab File: VL041585.D

Acq: 22 Aug 2024 13:34

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:164 Resp: 143500

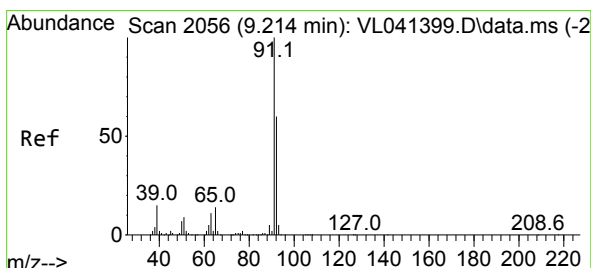
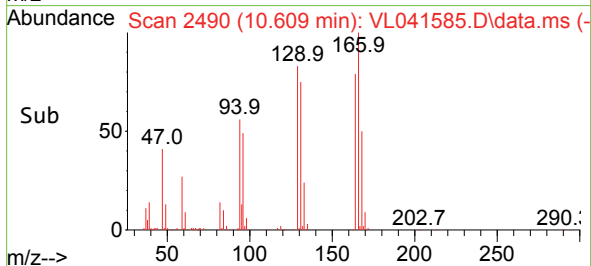
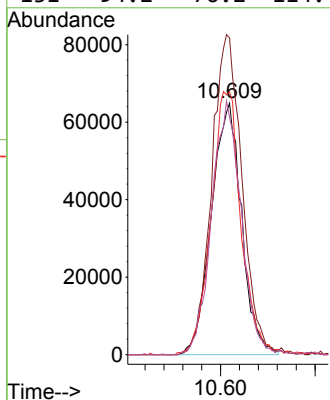
Ion Ratio Lower Upper

164 100

166 125.9 101.1 151.7

129 103.6 81.7 122.5

131 94.2 76.2 114.4



#53

Toluene

Concen: 7.217 ppbv

RT: 9.214 min Scan# 2056

Delta R.T. 0.003 min

Lab File: VL041585.D

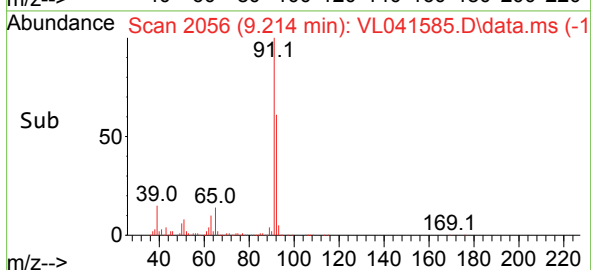
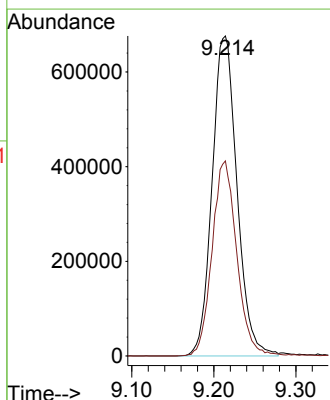
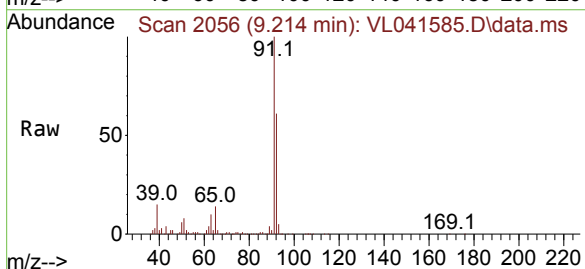
Acq: 22 Aug 2024 13:34

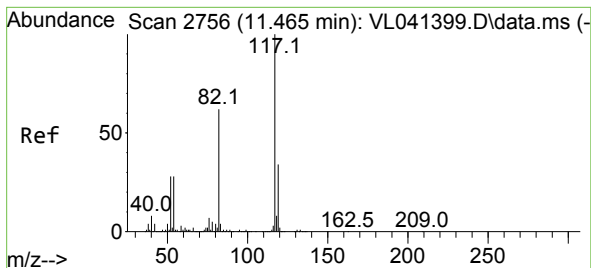
Tgt Ion: 91 Resp: 1428041

Ion Ratio Lower Upper

91 100

92 61.0 48.7 73.1





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.458 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL041585.D

Acq: 22 Aug 2024 13:34

Instrument :

MSVOA_L

ClientSampleId :

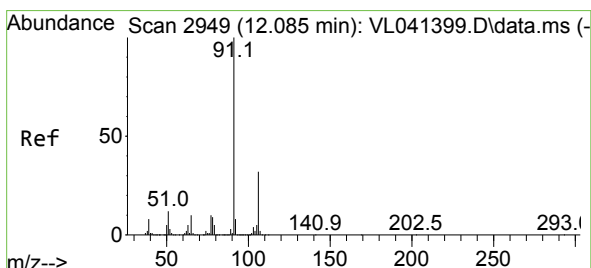
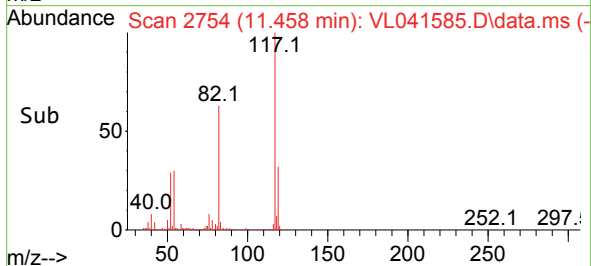
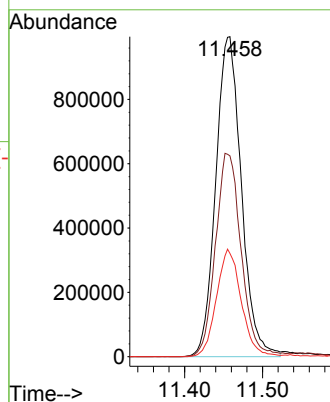
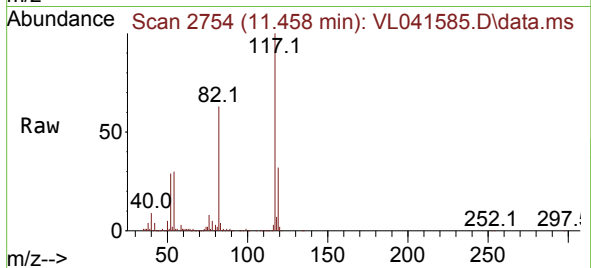
Tgt Ion:117 Resp: 2277689

Ion Ratio Lower Upper

117 100

82 63.8 51.0 76.6

119 32.8 45.2 67.8#



#58

Ethyl Benzene

Concen: 0.263 ppbv

RT: 12.076 min Scan# 2946

Delta R.T. -0.000 min

Lab File: VL041585.D

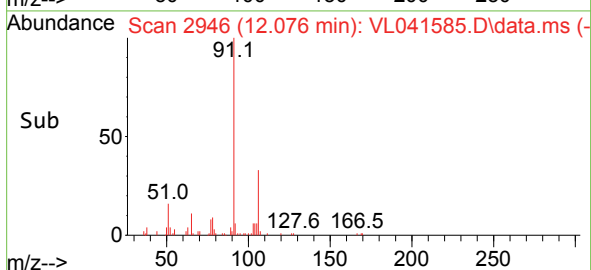
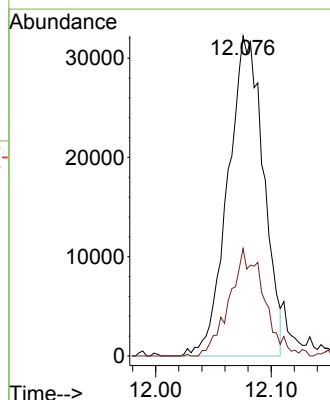
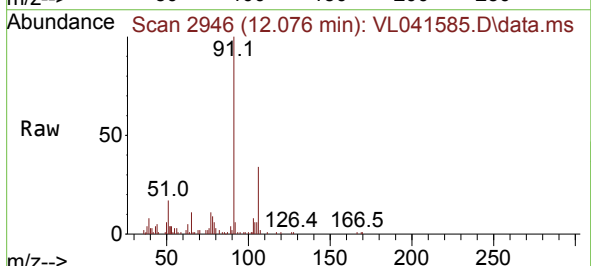
Acq: 22 Aug 2024 13:34

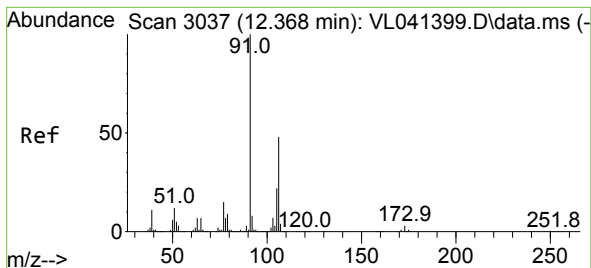
Tgt Ion: 91 Resp: 69080

Ion Ratio Lower Upper

91 100

106 33.5 25.8 38.8





#59

m/p-Xylene

Concen: 0.170 ppbv

RT: 12.359 min Scan# 3034

Delta R.T. -0.000 min

Lab File: VL041585.D

Acq: 22 Aug 2024 13:34

Instrument :

MSVOA_L

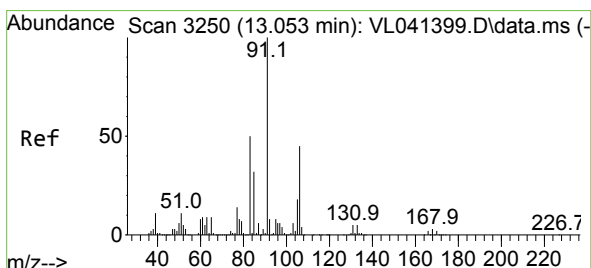
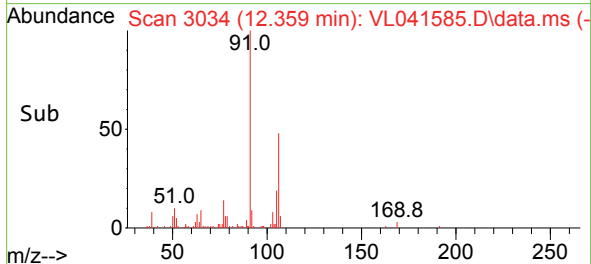
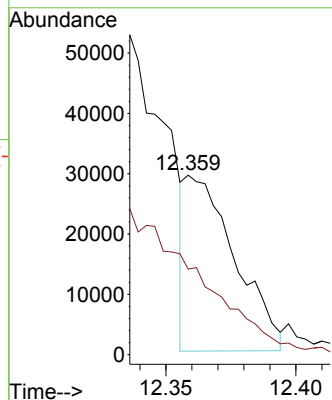
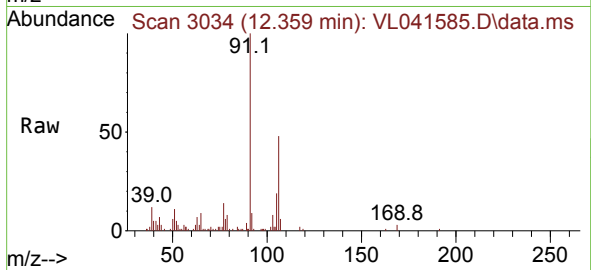
ClientSampleId :

Tgt Ion: 91 Resp: 38578

Ion Ratio Lower Upper

91 100

106 0.0 36.3 54.5#



#60

o-Xylene

Concen: 0.091 ppbv

RT: 13.053 min Scan# 3250

Delta R.T. 0.006 min

Lab File: VL041585.D

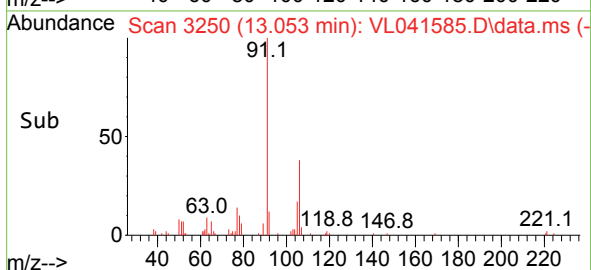
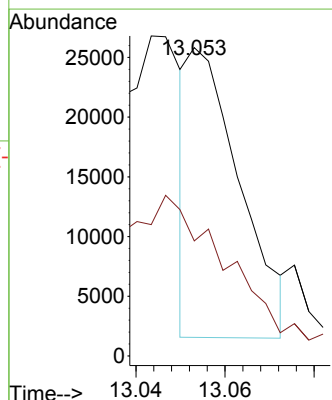
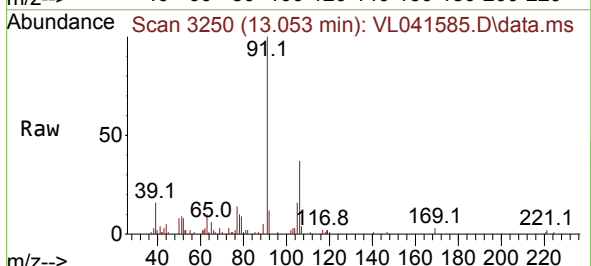
Acq: 22 Aug 2024 13:34

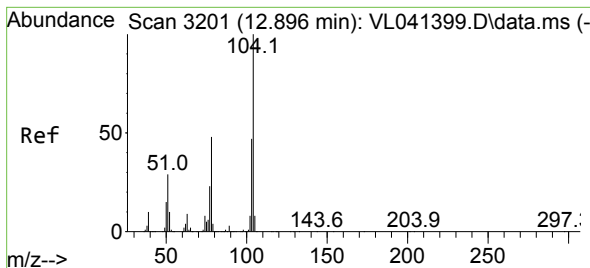
Tgt Ion: 91 Resp: 19426

Ion Ratio Lower Upper

91 100

106 0.0 23.1 69.3#





#61

Styrene

Concen: 0.244 ppbv

RT: 12.889 min Scan# 3199

Delta R.T. 0.006 min

Lab File: VL041585.D

Acq: 22 Aug 2024 13:34

Instrument :

MSVOA_L

ClientSampleId :

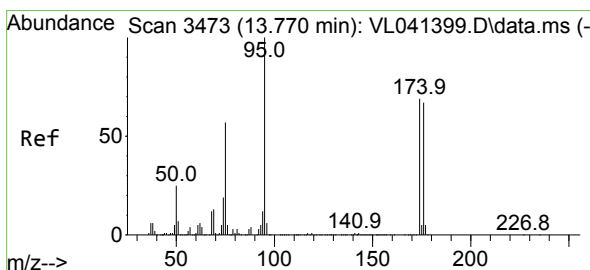
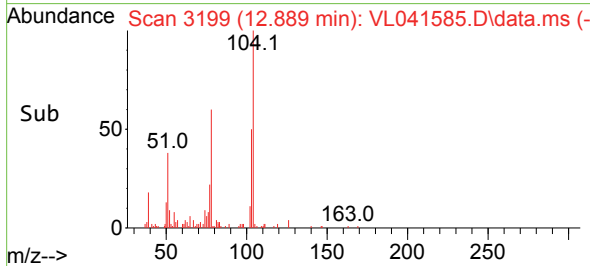
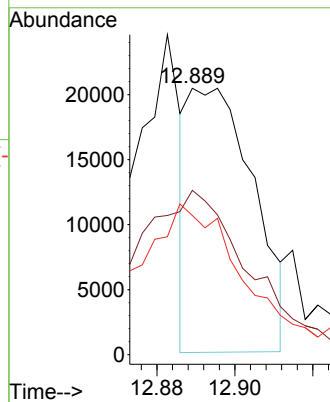
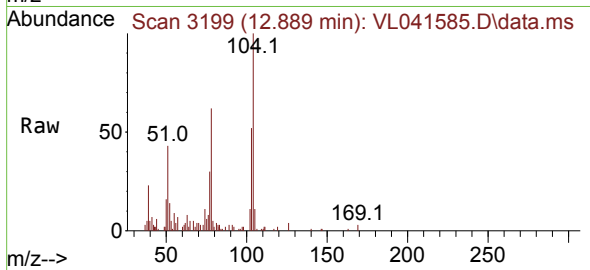
Tgt Ion:104 Resp: 23595

Ion Ratio Lower Upper

104 100

78 130.8 40.8 61.2#

103 106.3 38.2 57.4#



#68

1-Bromo-4-Fluorobenzene

Concen: 10.202 ppbv

RT: 13.764 min Scan# 3471

Delta R.T. -0.000 min

Lab File: VL041585.D

Acq: 22 Aug 2024 13:34

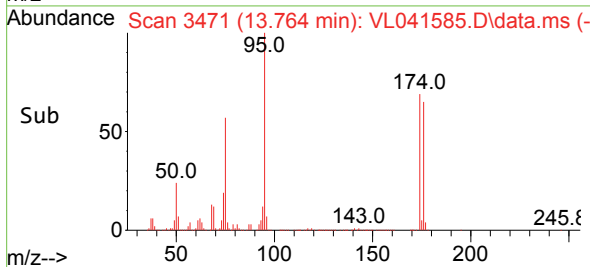
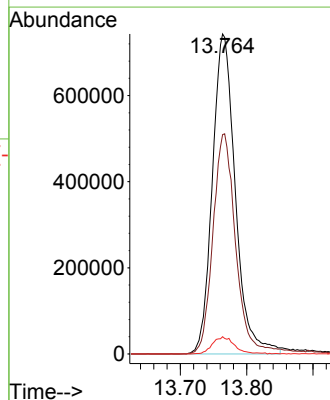
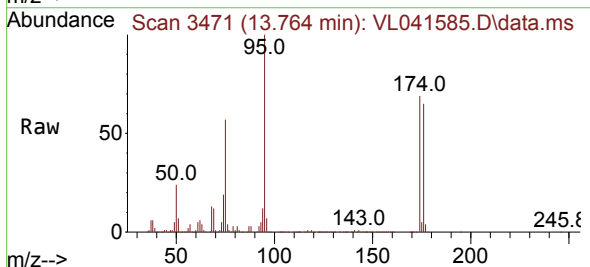
Tgt Ion: 95 Resp: 1788253

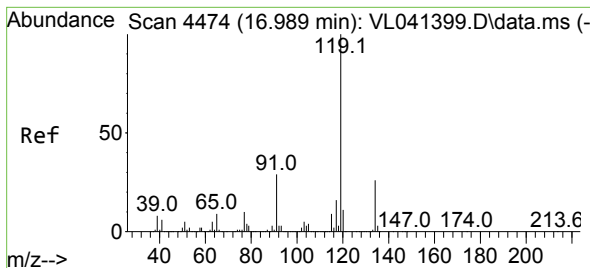
Ion Ratio Lower Upper

95 100

174 70.0 56.3 84.5

175 5.2 4.0 6.0





#69

p-Isopropyltoluene

Concen: 0.045 ppbv

RT: 16.989 min Scan# 4474

Delta R.T. 0.006 min

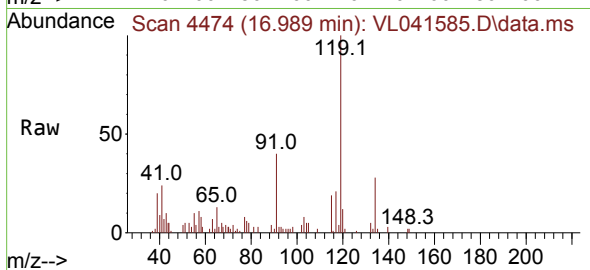
Lab File: VL041585.D

Acq: 22 Aug 2024 13:34

Instrument :

MSVOA_L

ClientSampleId :



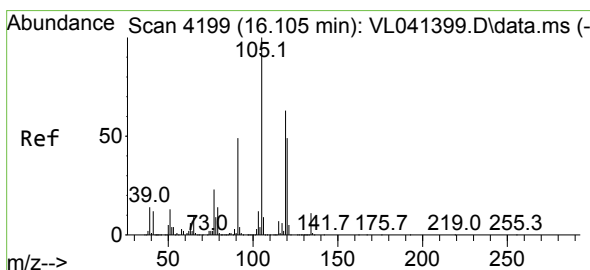
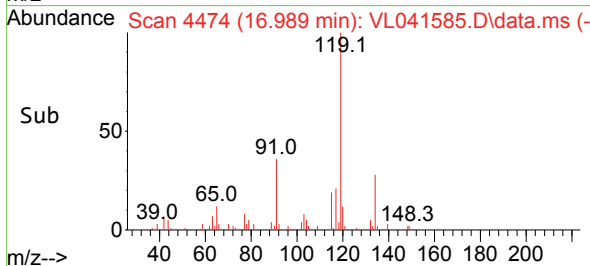
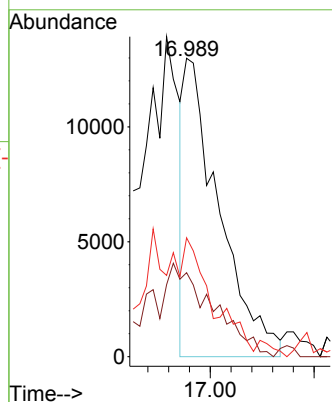
Tgt Ion:119 Resp: 15154

Ion Ratio Lower Upper

119 100

134 0.0 20.5 30.7#

91 0.0 23.2 34.8#



#74

1,2,4-Trimethylbenzene

Concen: 0.089 ppbv

RT: 16.101 min Scan# 4198

Delta R.T. 0.006 min

Lab File: VL041585.D

Acq: 22 Aug 2024 13:34

Tgt Ion:105 Resp: 22509

Ion Ratio Lower Upper

105 100

120 41.3 39.5 59.3

91 11.6 39.8 59.8#

77 12.6 18.2 27.4#

