

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073124\
 Data File : VL041463.D
 Acq On : 31 Jul 2024 14:56
 Operator : SY/MD
 Sample : P3385-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 01 02:43:58 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 : Thu Aug 01 02:36:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.201	49	1070019	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2807215	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2573217	10.000	ppbv	# 0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	2013450	10.168	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.700%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.739	85	48659	0.264	ppbv	96
3) Chlorodifluoromethane	2.661	51	523419	4.109	ppbv #	63
4) Chloromethane	2.822	50	35775	0.528	ppbv	100
9) Propene	2.710	41	15404	0.263	ppbv #	70
10) Heptane	7.590	43	55513	0.422	ppbv	88
11) Trichlorofluoromethane	3.568	101	34523	0.211	ppbv	86
12) 1,1,2-Trichlorotrifluo...	4.070	101	7380	0.063	ppbv	86
13) Ethanol	3.250	45	767845	146.815	ppbv	97
15) Acetone	3.472	43	8930167	73.453	ppbv	90
16) 1,3-Butadiene	2.977	39	6950	0.107	ppbv #	31
17) tert-Butyl alcohol	3.896	59	31591	0.285	ppbv #	92
19) Isopropyl Alcohol	3.594	45	306507	4.312	ppbv #	93
20) Methylene Chloride	3.941	84	2779855	61.316	ppbv	96
21) Allyl Chloride	3.944	41	112547	1.412	ppbv #	20
23) Vinyl Acetate	4.626	43	37826	0.407	ppbv #	84
25) Ethyl Acetate	5.218	43	1648374	6.825	ppbv #	88
26) Hexane	5.221	57	1514091	15.112	ppbv #	51
29) Chloroform	5.279	83	11242	0.069	ppbv	87
30) Cyclohexane	6.610	84	3212	0.039	ppbv #	1
31) cis-1,2-Dichloroethene	5.089	61	10937	0.110	ppbv	88
34) 2-Butanone	4.800	43	196910	1.450	ppbv	95
35) Carbon Tetrachloride	6.500	117	8429	0.054	ppbv #	88
36) Benzene	6.378	78	22152	0.108	ppbv #	92
37) 1,2-Dichloroethane	5.812	62	5491	0.048	ppbv #	95
38) Trichloroethene	7.298	130	7352	0.078	ppbv	92
39) 1,2-Dichloropropane	6.664	63	705027	8.978	ppbv #	25
41) Tetrahydrofuran	5.221	42	606957	7.815	ppbv #	49
43) Methyl Methacrylate	7.478	69	2550	0.035	ppbv #	1
44) 2,2,4-Trimethylpentane	7.330	57	11006	0.032	ppbv #	42
51) 2-Hexanone	9.844	43	461662	2.850	ppbv #	50
52) Tetrachloroethene	10.629	164	702476	8.863	ppbv	98
53) Toluene	9.233	91	405707	1.776	ppbv	99
60) o-Xylene	13.069	91	15293	0.063	ppbv #	54
61) Styrene	12.921	104	4201	0.038	ppbv #	18
62) Isopropylbenzene	14.037	105	14571	0.040	ppbv	99
64) n-propylbenzene	14.934	120	2930	0.030	ppbv #	1
69) p-Isopropyltoluene	17.008	119	28019	0.074	ppbv #	66
72) 4-Ethyltoluene	15.211	105	26716	0.094	ppbv #	7
73) 1,3,5-Trimethylbenzene	15.365	105	17391	0.071	ppbv	93
74) 1,2,4-Trimethylbenzene	16.117	105	104542	0.366	ppbv #	72
76) 1,4-Dichlorobenzene	16.484	146	6264	0.036	ppbv #	38

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Quant Time: Aug 01 02:43:58 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 : Thu Aug 01 02:36:30 2024
Response via : Initial Calibration

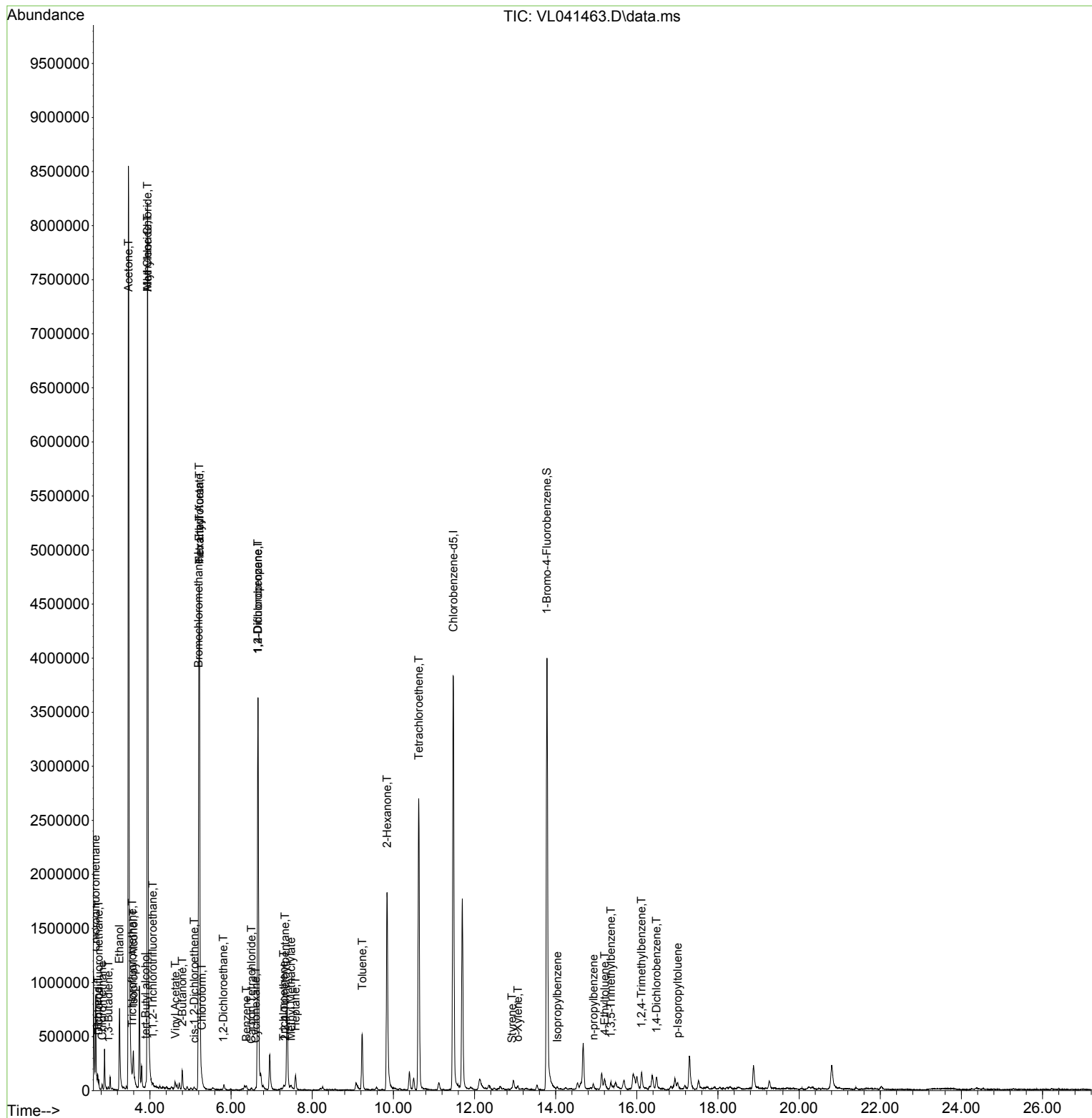
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

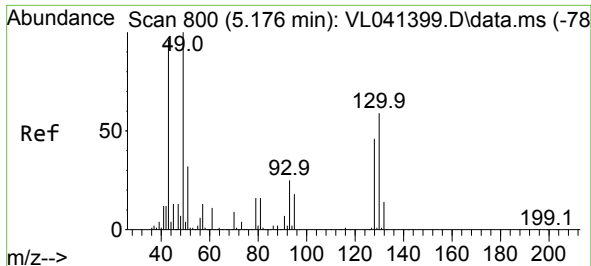
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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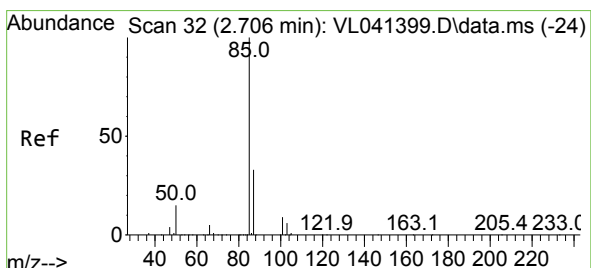
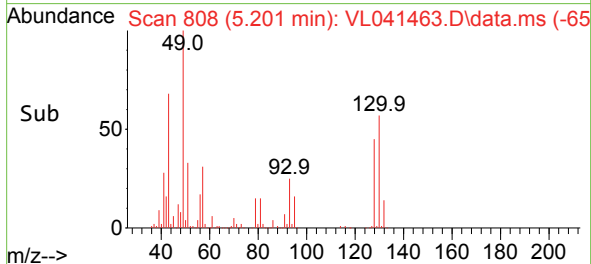
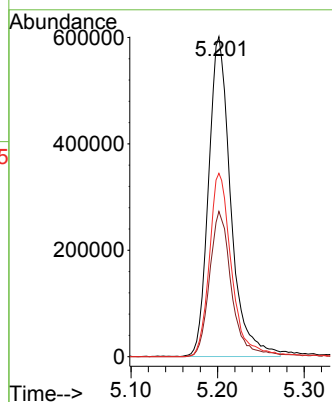
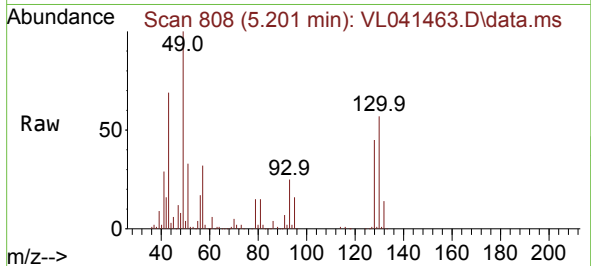




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.201 min Scan# 80
Delta R.T. 0.006 min
Lab File: VL041463.D
Acq: 31 Jul 2024 14:56

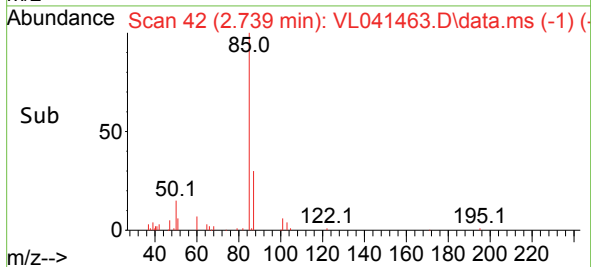
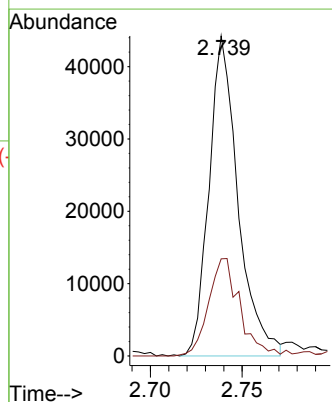
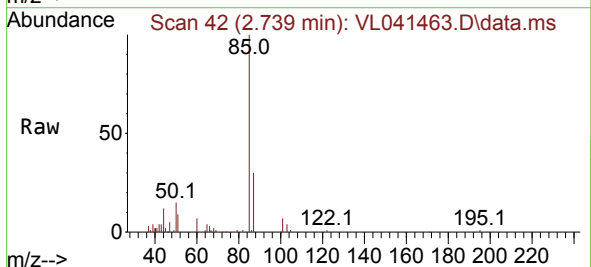
Instrument :
MSVOA_L
ClientSampleId :

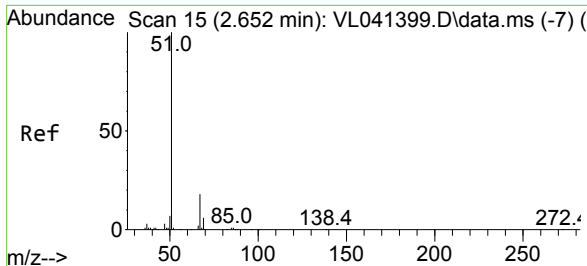
Tgt Ion: 49 Resp: 1070019
Ion Ratio Lower Upper
49 100
128 45.8 23.8 71.4
130 58.8 30.8 92.4



#2
Dichlorodifluoromethane
Concen: 0.264 ppbv
RT: 2.739 min Scan# 42
Delta R.T. 0.010 min
Lab File: VL041463.D
Acq: 31 Jul 2024 14:56

Tgt Ion: 85 Resp: 48659
Ion Ratio Lower Upper
85 100
87 30.0 26.0 39.0

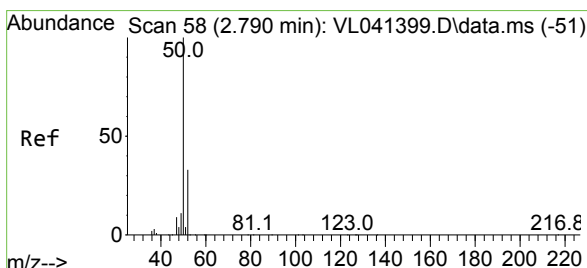
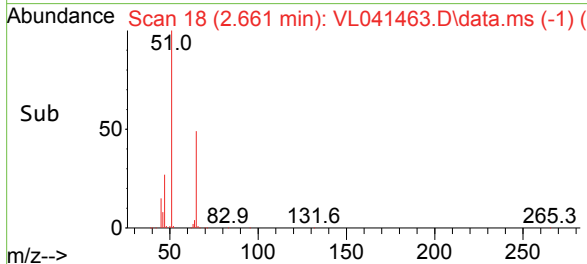
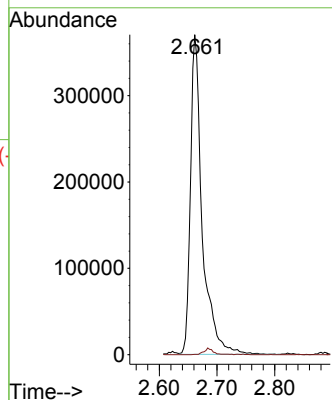
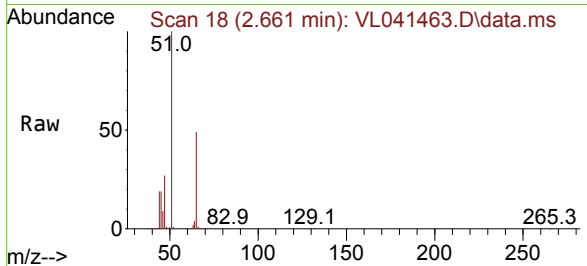




#3
Chlorodifluoromethane
Concen: 4.109 ppbv
RT: 2.661 min Scan# 11
Delta R.T. -0.013 min
Lab File: VL041463.D
Acq: 31 Jul 2024 14:56

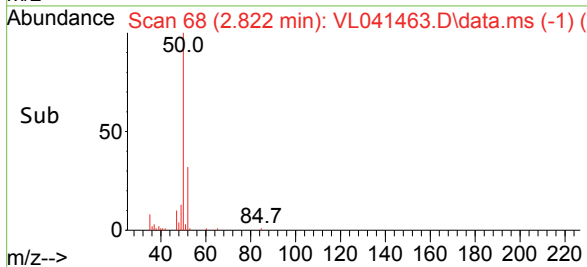
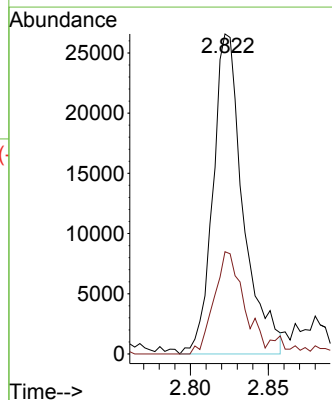
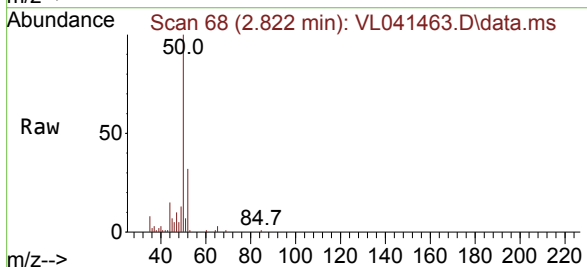
Instrument :
MSVOA_L
ClientSampleId :

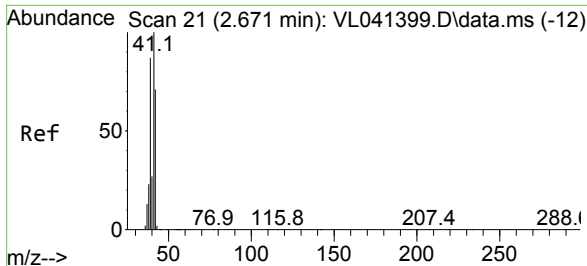
Tgt Ion: 51 Resp: 523419
Ion Ratio Lower Upper
51 100
67 1.8 14.5 21.7#



#4
Chloromethane
Concen: 0.528 ppbv
RT: 2.822 min Scan# 68
Delta R.T. 0.010 min
Lab File: VL041463.D
Acq: 31 Jul 2024 14:56

Tgt Ion: 50 Resp: 35775
Ion Ratio Lower Upper
50 100
52 32.7 26.1 39.1

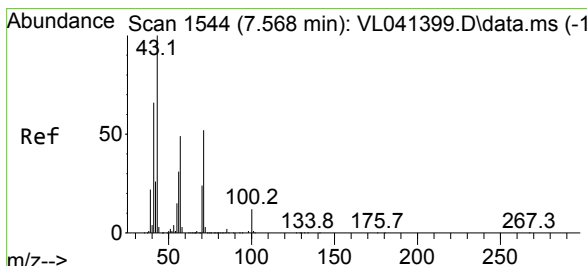
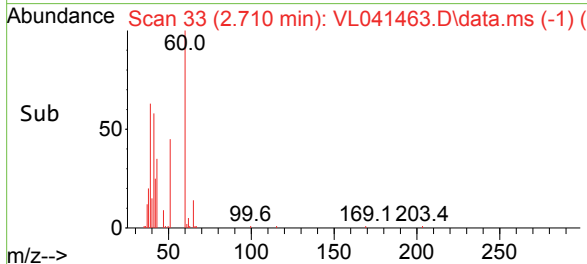
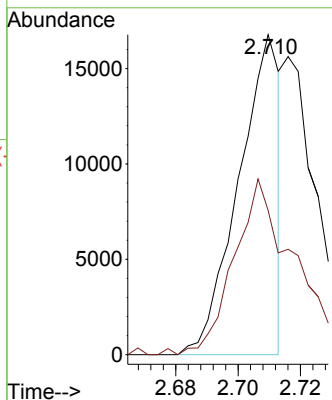
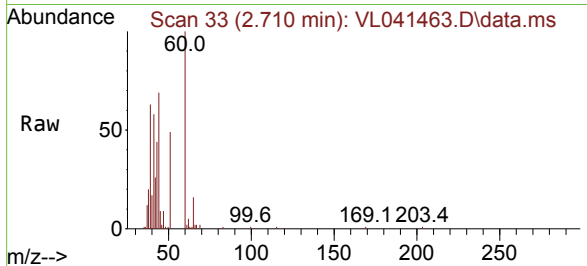




#9
 Propene
 Concen: 0.263 ppbv
 RT: 2.710 min Scan# 31
 Delta R.T. 0.016 min
 Lab File: VL041463.D
 Acq: 31 Jul 2024 14:56

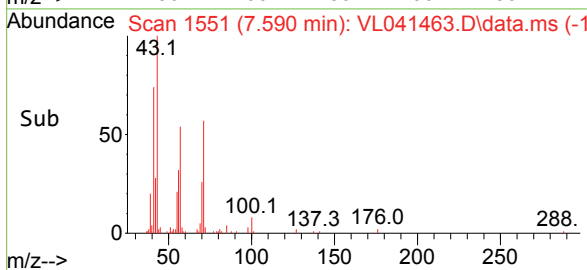
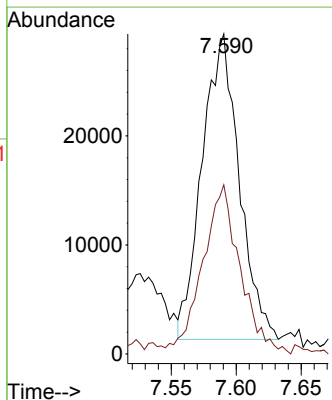
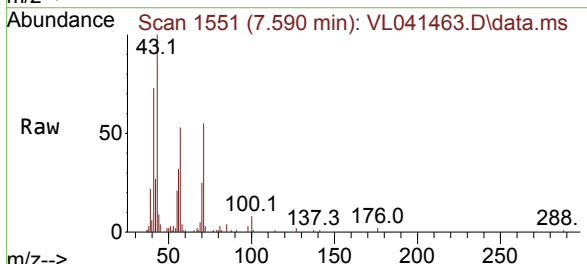
Instrument :
 MSVOA_L
 ClientSampleId :

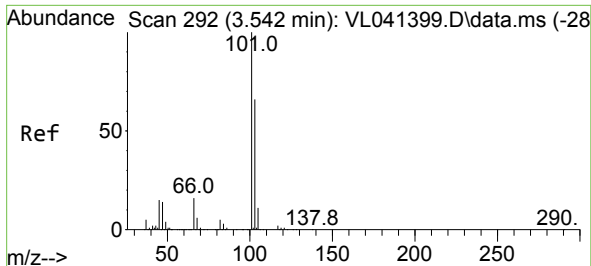
Tgt Ion: 41 Resp: 15404
 Ion Ratio Lower Upper
 41 100
 42 94.4 55.9 83.9#



#10
 Heptane
 Concen: 0.422 ppbv
 RT: 7.590 min Scan# 1551
 Delta R.T. 0.007 min
 Lab File: VL041463.D
 Acq: 31 Jul 2024 14:56

Tgt Ion: 43 Resp: 55513
 Ion Ratio Lower Upper
 43 100
 57 58.9 40.5 60.7

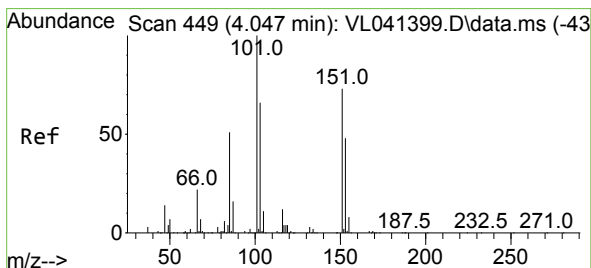
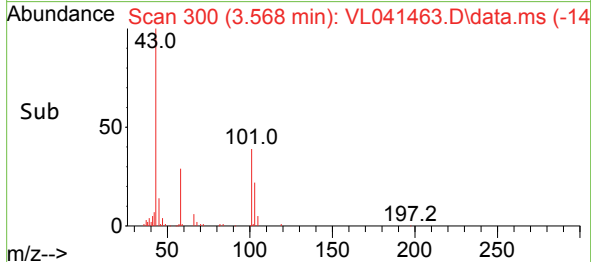
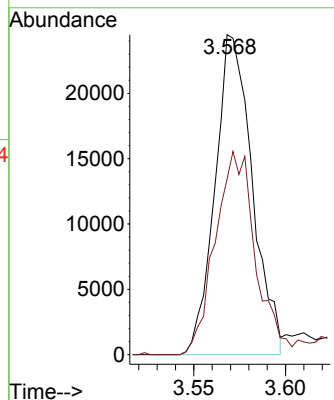
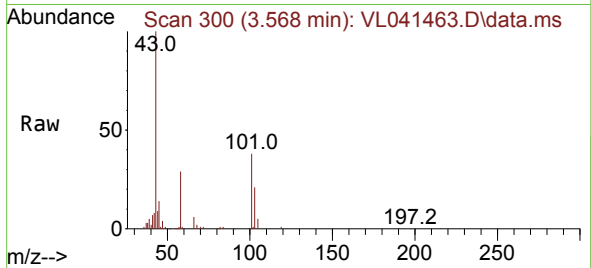




#11
 Trichlorofluoromethane
 Concen: 0.211 ppbv
 RT: 3.568 min Scan# 30
 Delta R.T. 0.003 min
 Lab File: VL041463.D
 Acq: 31 Jul 2024 14:56

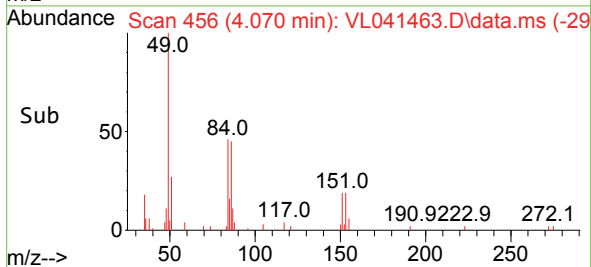
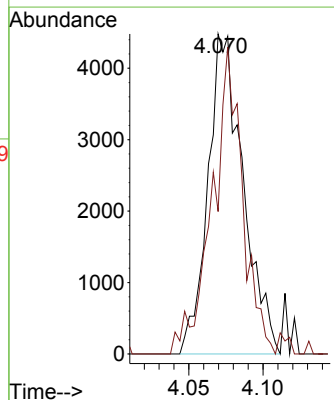
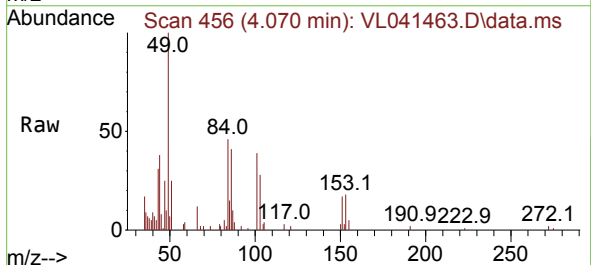
Instrument :
 MSVOA_L
 ClientSampleId :

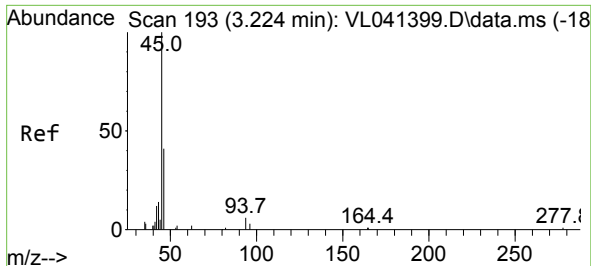
Tgt Ion:101 Resp: 34523
 Ion Ratio Lower Upper
 101 100
 103 54.9 52.6 79.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.063 ppbv
 RT: 4.070 min Scan# 456
 Delta R.T. 0.003 min
 Lab File: VL041463.D
 Acq: 31 Jul 2024 14:56

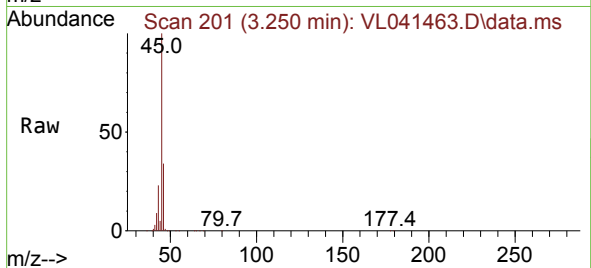
Tgt Ion:101 Resp: 7380
 Ion Ratio Lower Upper
 101 100
 151 86.1 59.4 89.2



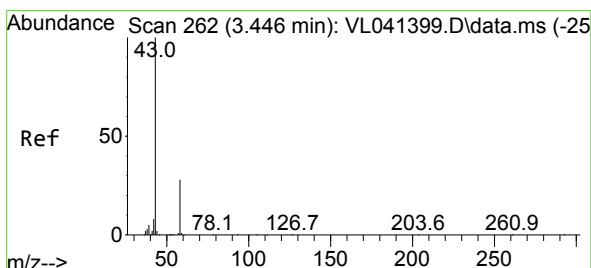
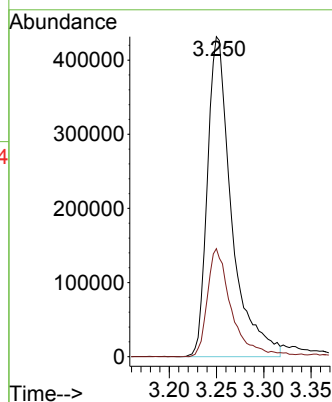
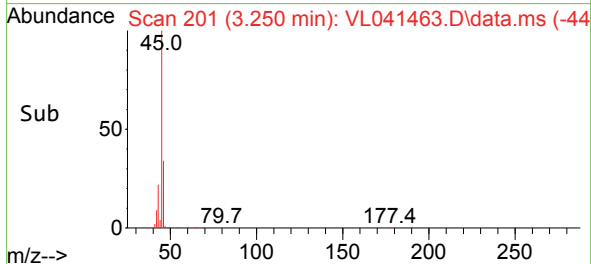


#13
Ethanol
Concen: 146.815 ppbv
RT: 3.250 min Scan# 201
Delta R.T. 0.003 min
Lab File: VL041463.D
Acq: 31 Jul 2024 14:56

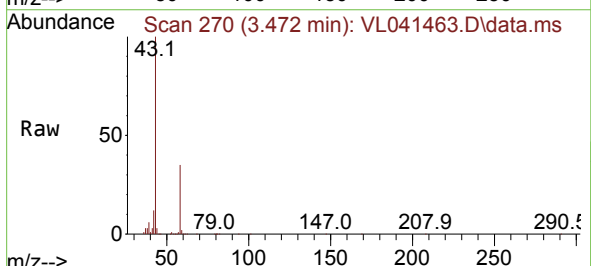
Instrument :
MSVOA_L
ClientSampleId :



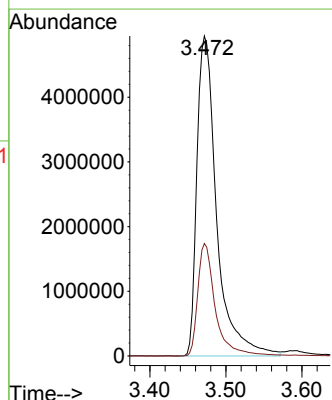
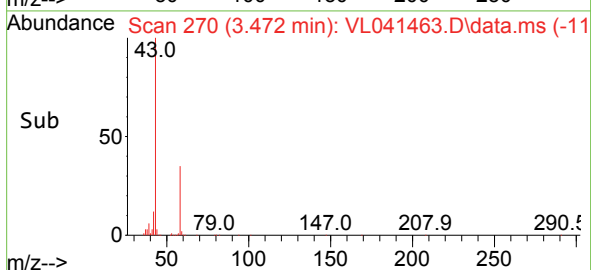
Tgt Ion: 45 Resp: 767845
Ion Ratio Lower Upper
45 100
46 35.0 13.4 53.4

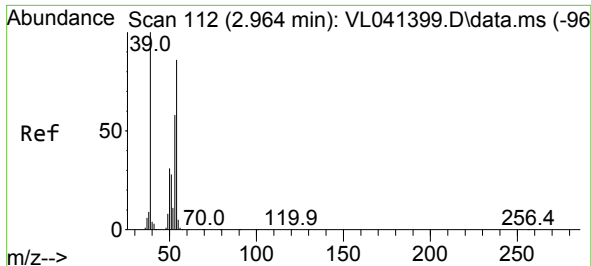


#15
Acetone
Concen: 73.453 ppbv
RT: 3.472 min Scan# 270
Delta R.T. 0.003 min
Lab File: VL041463.D
Acq: 31 Jul 2024 14:56



Tgt Ion: 43 Resp: 8930167
Ion Ratio Lower Upper
43 100
58 31.8 21.4 32.2

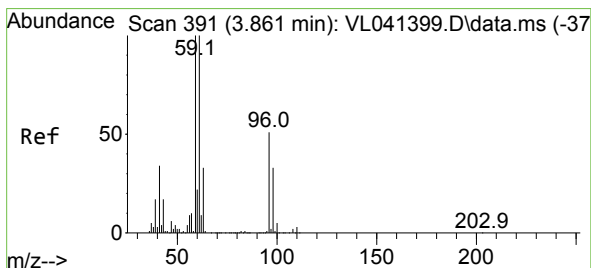
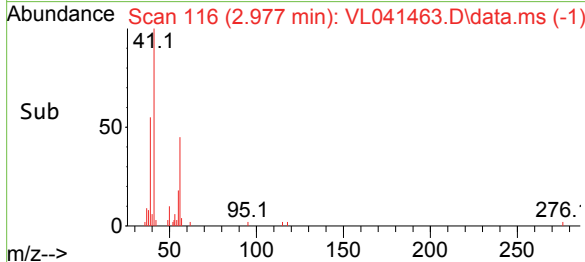
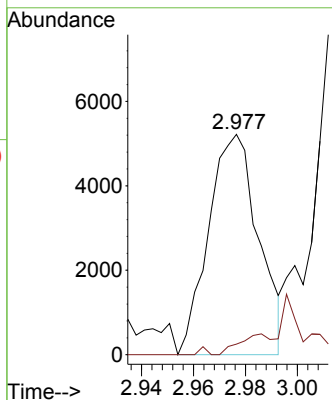
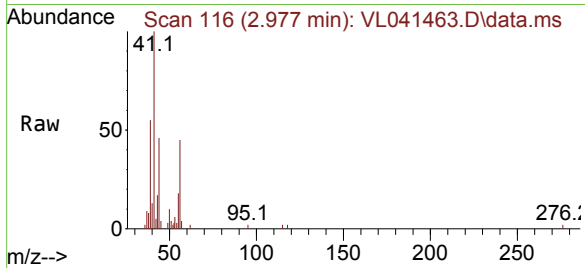




#16
1,3-Butadiene
Concen: 0.107 ppbv
RT: 2.977 min Scan# 116
Delta R.T. -0.010 min
Lab File: VL041463.D
Acq: 31 Jul 2024 14:56

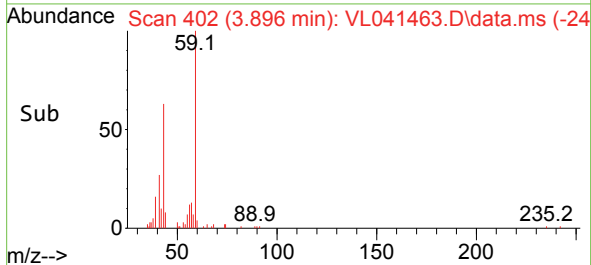
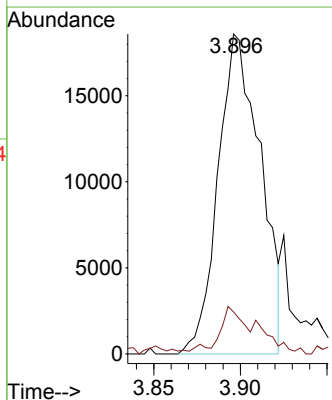
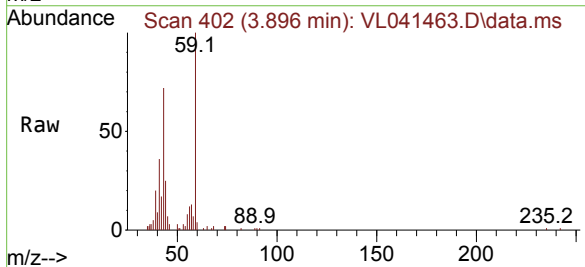
Instrument :
MSVOA_L
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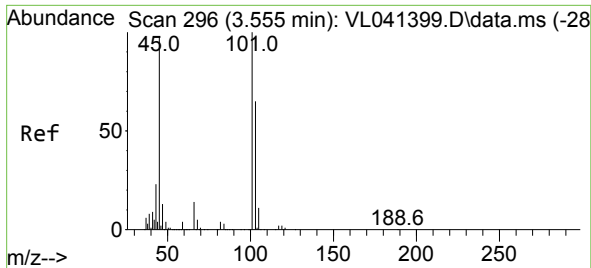
Tgt Ion: 39 Resp: 6950
Ion Ratio Lower Upper
39 100
54 18.0 62.5 93.7#



#17
tert-Butyl alcohol
Concen: 0.285 ppbv
RT: 3.896 min Scan# 402
Delta R.T. 0.019 min
Lab File: VL041463.D
Acq: 31 Jul 2024 14:56

Tgt Ion: 59 Resp: 31591
Ion Ratio Lower Upper
59 100
57 13.5 8.6 12.8#





#19

Isopropyl Alcohol

Concen: 4.312 ppbv

RT: 3.594 min Scan# 308

Delta R.T. 0.019 min

Lab File: VL041463.D

Acq: 31 Jul 2024 14:56

Instrument :

MSVOA_L

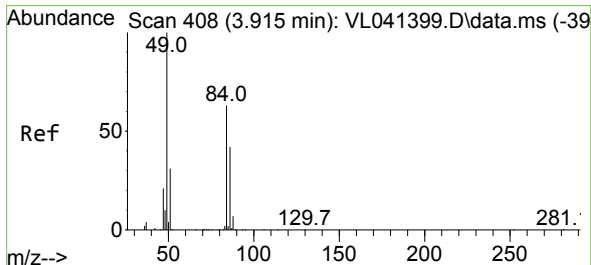
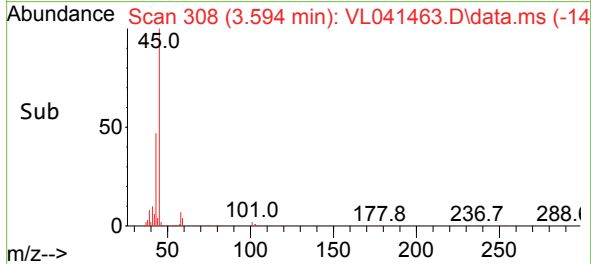
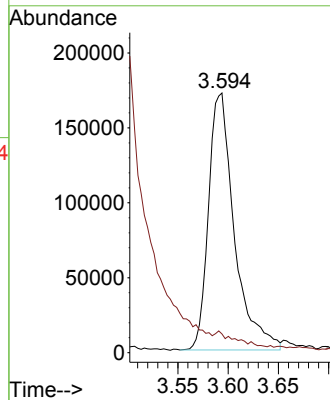
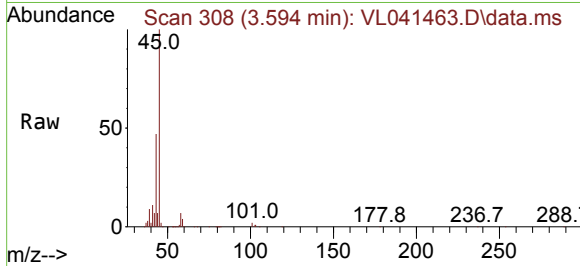
ClientSampleId :

Tgt Ion: 45 Resp: 306507

Ion Ratio Lower Upper

45 100

58 0.0 1.9 2.9#



#20

Methylene Chloride

Concen: 61.316 ppbv

RT: 3.941 min Scan# 416

Delta R.T. 0.007 min

Lab File: VL041463.D

Acq: 31 Jul 2024 14:56

Tgt Ion: 84 Resp: 2779855

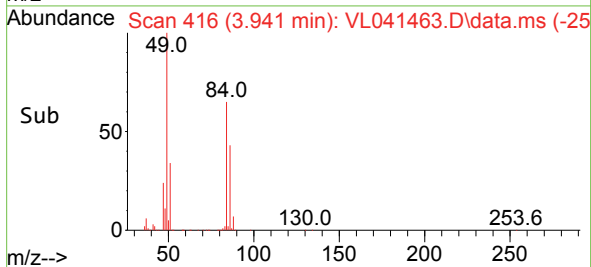
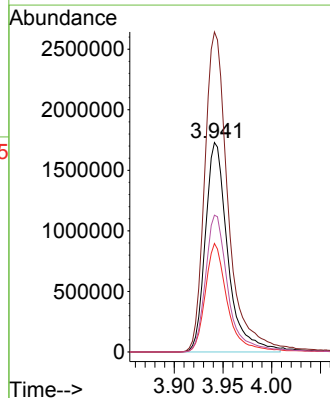
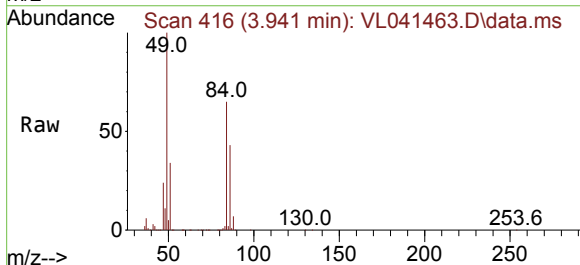
Ion Ratio Lower Upper

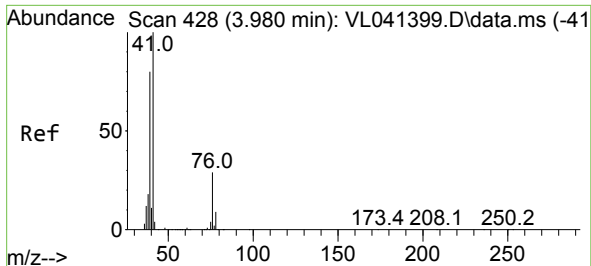
84 100

49 152.8 126.6 190.0

51 51.8 38.6 58.0

86 65.3 53.0 79.4

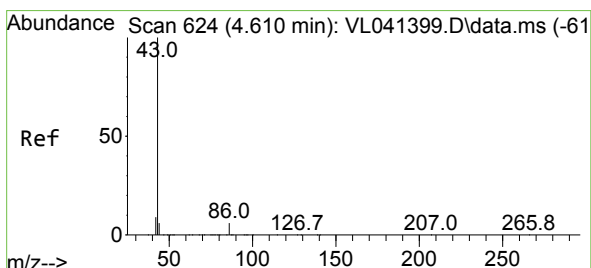
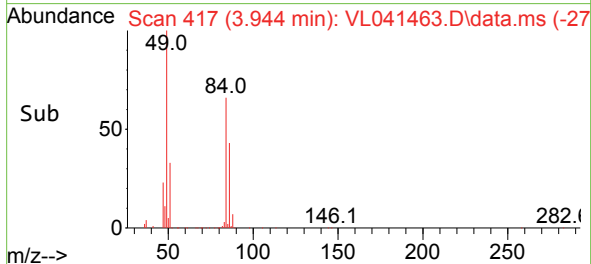
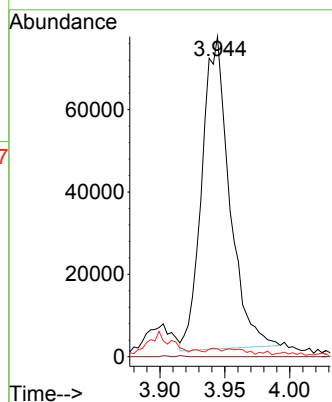
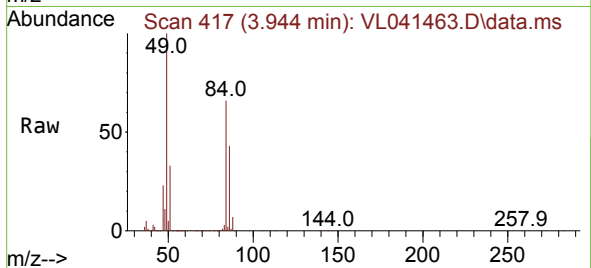




#21
 Allyl Chloride
 Concen: 1.412 ppbv
 RT: 3.944 min Scan# 41
 Delta R.T. -0.051 min
 Lab File: VL041463.D
 Acq: 31 Jul 2024 14:56

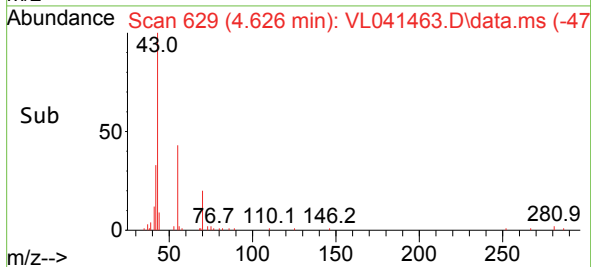
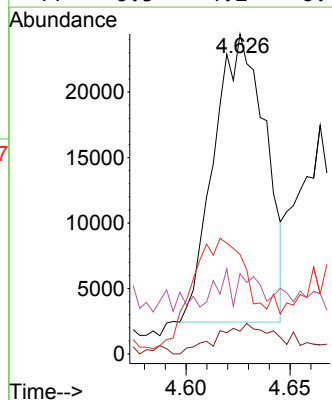
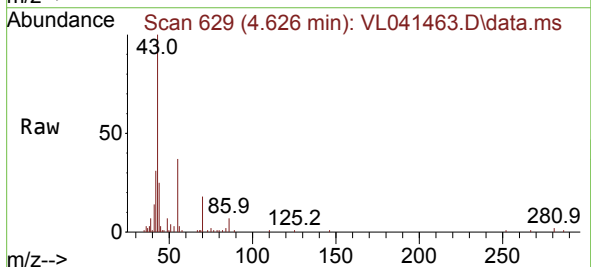
Instrument :
 MSVOA_L
 ClientSampleId :

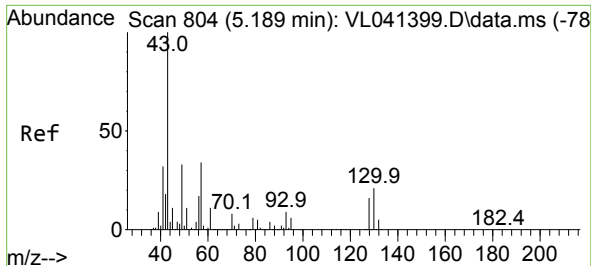
Tgt Ion: 41 Resp: 112547
 Ion Ratio Lower Upper
 41 100
 76 2.1 23.7 35.5#
 39 0.0 64.3 96.5#



#23
 Vinyl Acetate
 Concen: 0.407 ppbv
 RT: 4.626 min Scan# 629
 Delta R.T. -0.003 min
 Lab File: VL041463.D
 Acq: 31 Jul 2024 14:56

Tgt Ion: 43 Resp: 37826
 Ion Ratio Lower Upper
 43 100
 86 7.9 4.6 6.8#
 42 20.7 7.9 11.9#
 44 6.5 4.2 6.4#





#25

Ethyl Acetate

Concen: 6.825 ppbv

RT: 5.218 min Scan# 813

Delta R.T. 0.013 min

Lab File: VL041463.D

Acq: 31 Jul 2024 14:56

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 43 Resp: 1648374

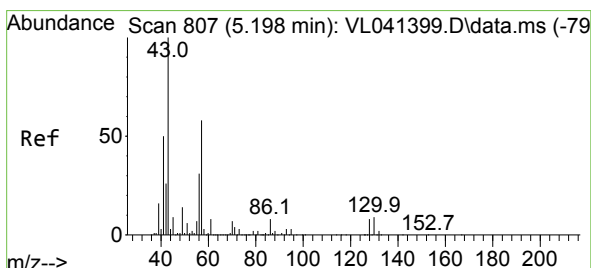
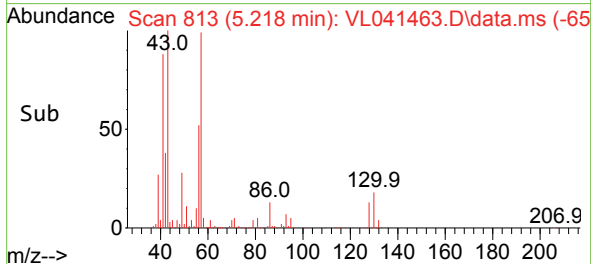
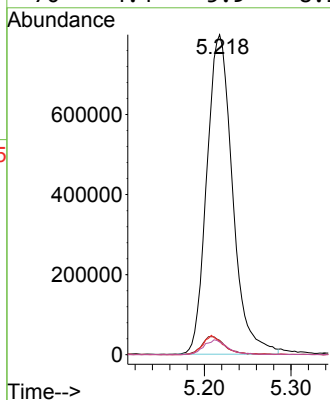
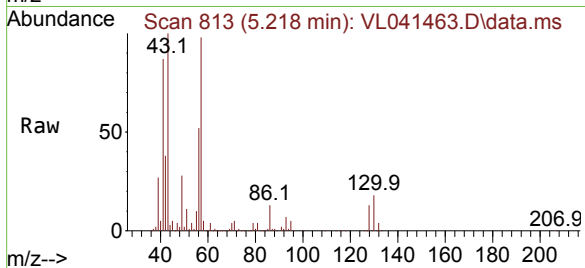
Ion Ratio Lower Upper

43 100

45 5.5 8.5 12.7#

61 5.1 8.0 12.0#

70 4.4 5.9 8.9#



#26

Hexane

Concen: 15.112 ppbv

RT: 5.221 min Scan# 814

Delta R.T. 0.007 min

Lab File: VL041463.D

Acq: 31 Jul 2024 14:56

Tgt Ion: 57 Resp: 1514091

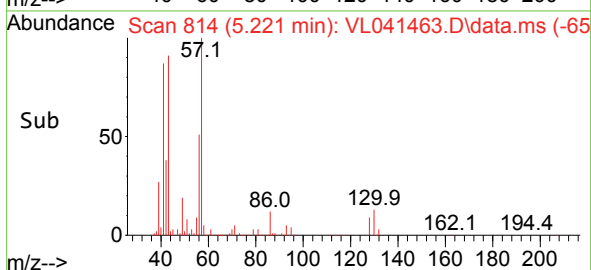
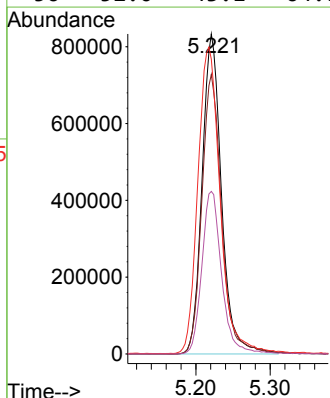
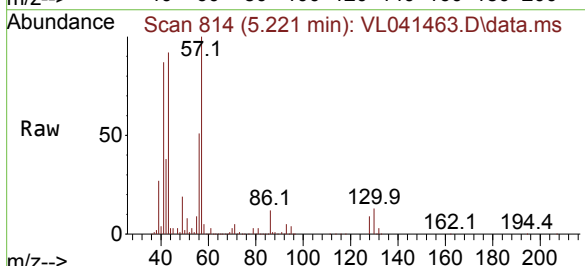
Ion Ratio Lower Upper

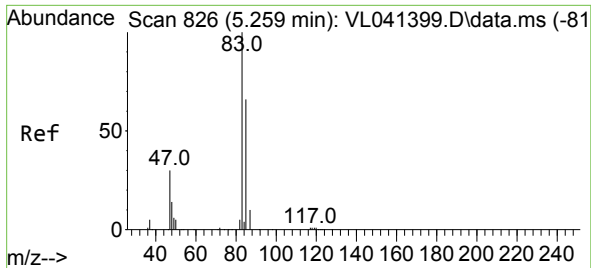
57 100

41 89.0 74.0 111.0

43 110.8 193.6 290.4#

56 52.0 43.1 64.7

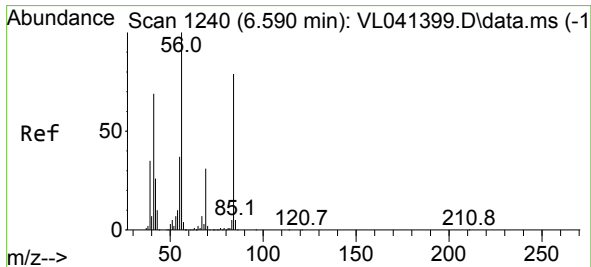
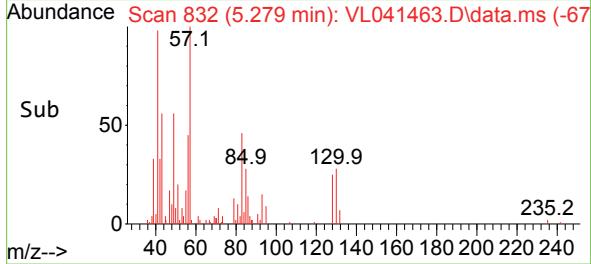
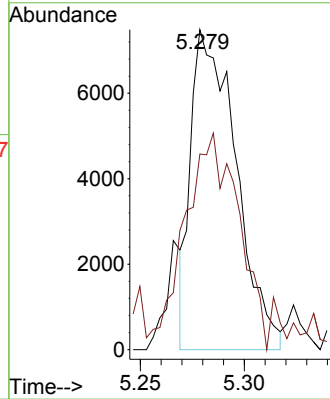
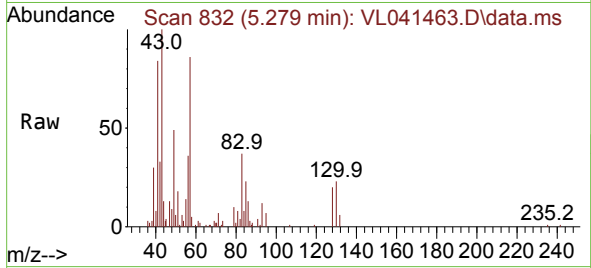




#29
Chloroform
Concen: 0.069 ppbv
RT: 5.279 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL041463.D
Acq: 31 Jul 2024 14:56

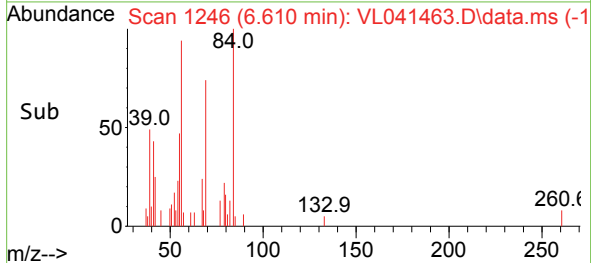
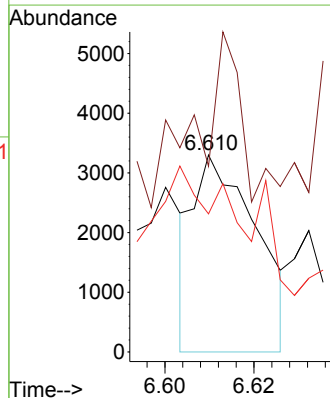
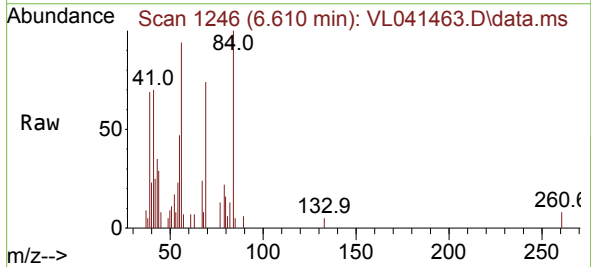
Instrument :
MSVOA_L
ClientSampleId :

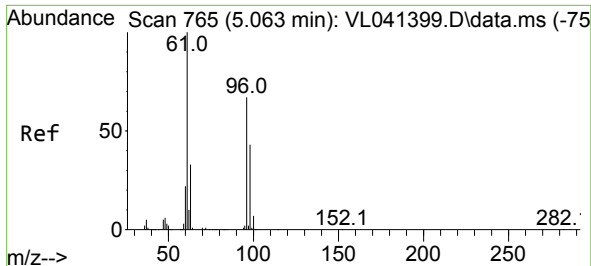
Tgt Ion: 83 Resp: 11242
Ion Ratio Lower Upper
83 100
85 55.8 53.1 79.7



#30
Cyclohexane
Concen: 0.039 ppbv
RT: 6.610 min Scan# 1246
Delta R.T. 0.003 min
Lab File: VL041463.D
Acq: 31 Jul 2024 14:56

Tgt Ion: 84 Resp: 3212
Ion Ratio Lower Upper
84 100
56 0.0 111.2 166.8#
41 0.0 70.3 105.5#

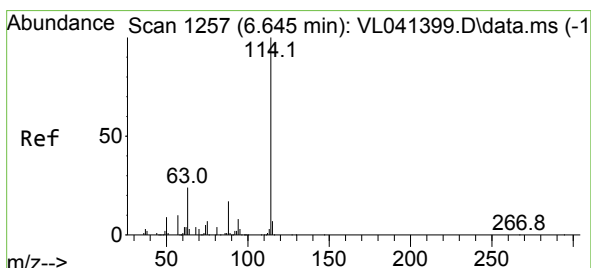
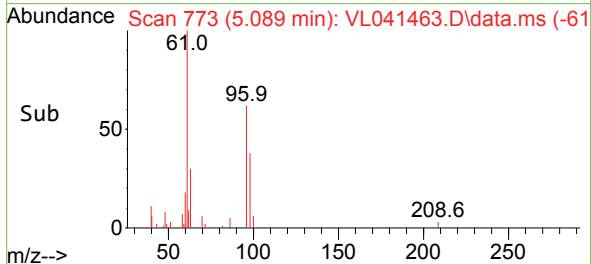
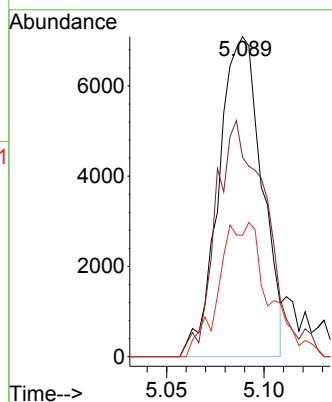
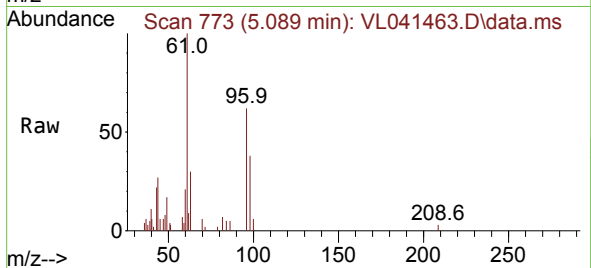




#31
 cis-1,2-Dichloroethene
 Concen: 0.110 ppbv
 RT: 5.089 min Scan# 71
 Delta R.T. 0.007 min
 Lab File: VL041463.D
 Acq: 31 Jul 2024 14:56

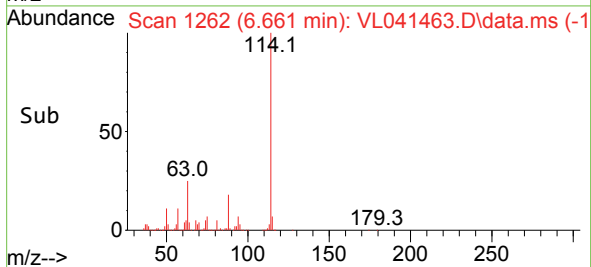
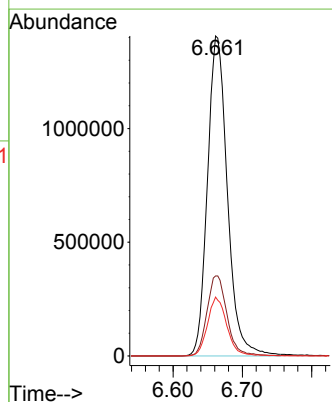
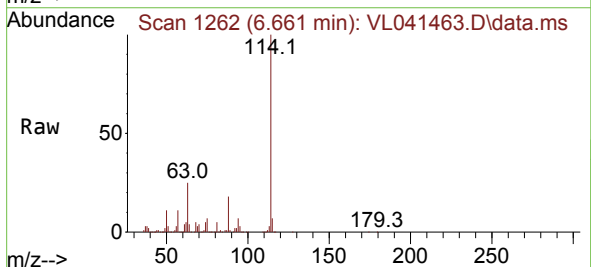
Instrument :
 MSVOA_L
 ClientSampleId :

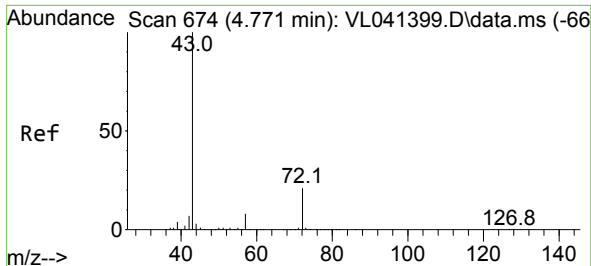
Tgt Ion: 61 Resp: 10937
 Ion Ratio Lower Upper
 61 100
 96 57.3 53.4 80.2
 98 34.9 34.4 51.6



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.661 min Scan# 1262
 Delta R.T. 0.003 min
 Lab File: VL041463.D
 Acq: 31 Jul 2024 14:56

Tgt Ion: 114 Resp: 2807215
 Ion Ratio Lower Upper
 114 100
 63 25.4 20.3 30.5
 88 17.9 14.3 21.5

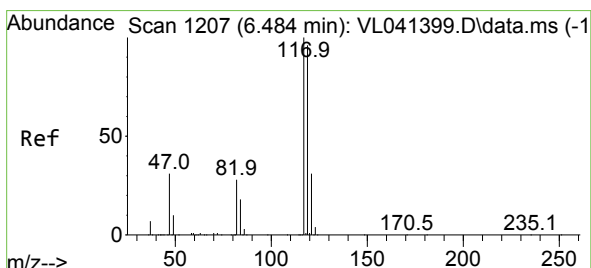
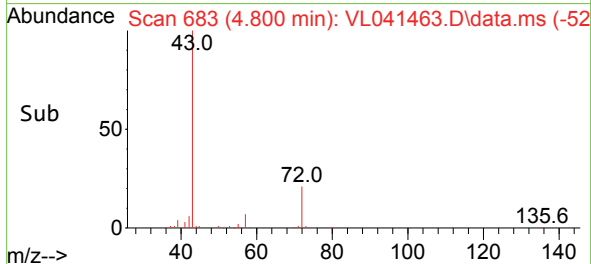
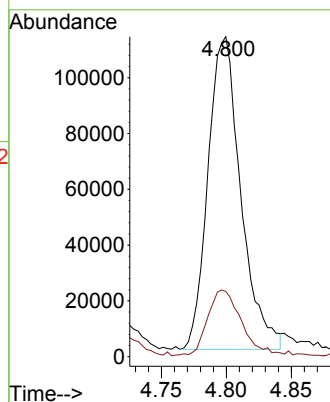
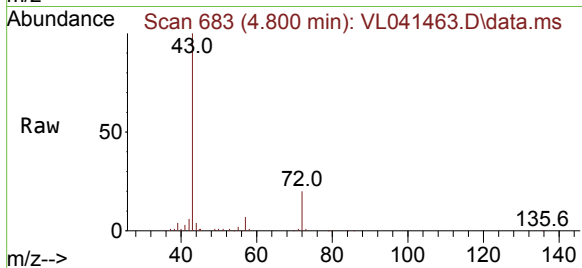




#34
2-Butanone
Concen: 1.450 ppbv
RT: 4.800 min Scan# 61
Delta R.T. 0.013 min
Lab File: VL041463.D
Acq: 31 Jul 2024 14:56

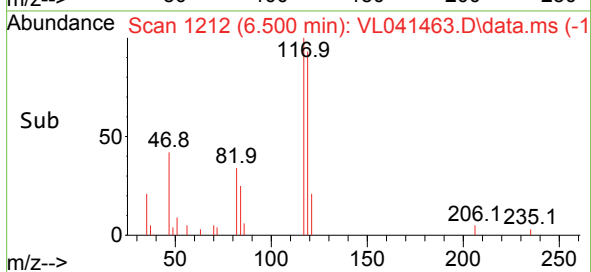
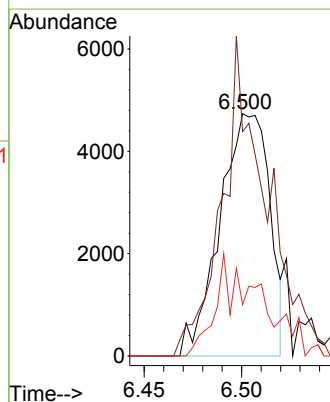
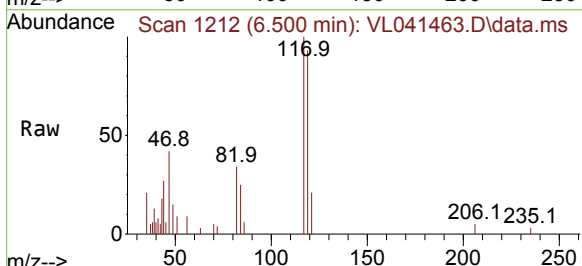
Instrument :
MSVOA_L
ClientSampleId :

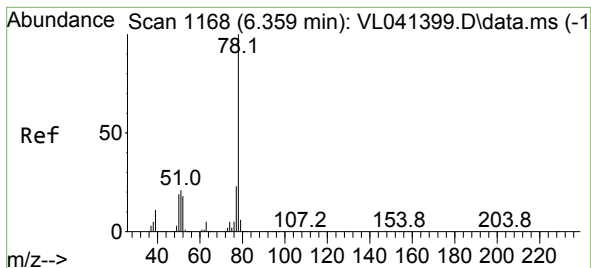
Tgt Ion: 43 Resp: 196910
Ion Ratio Lower Upper
43 100
72 23.9 17.3 25.9



#35
Carbon Tetrachloride
Concen: 0.054 ppbv
RT: 6.500 min Scan# 1212
Delta R.T. 0.003 min
Lab File: VL041463.D
Acq: 31 Jul 2024 14:56

Tgt Ion: 117 Resp: 8429
Ion Ratio Lower Upper
117 100
119 85.9 76.6 115.0
121 21.1 25.1 37.7#





#36

Benzene

Concen: 0.108 ppbv

RT: 6.378 min Scan# 1168

Delta R.T. 0.003 min

Lab File: VL041463.D

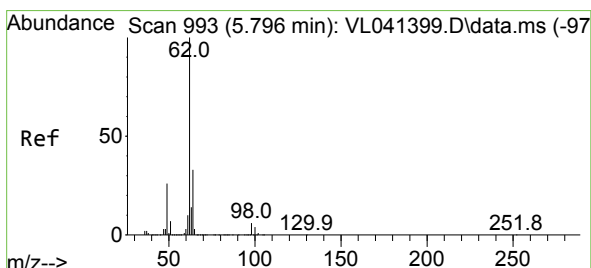
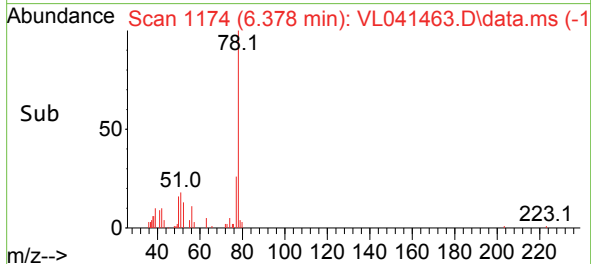
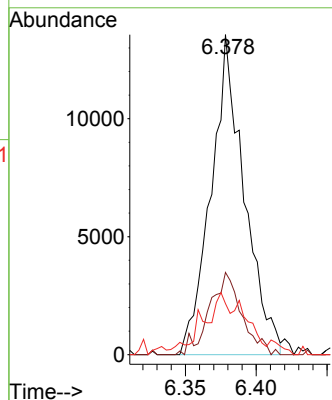
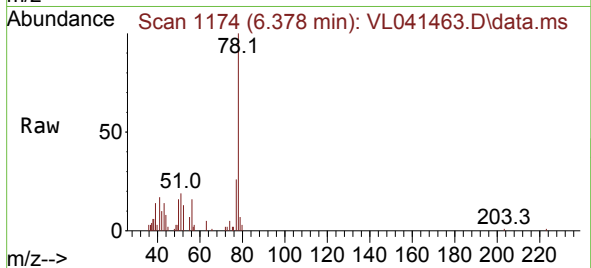
Acq: 31 Jul 2024 14:56

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 78	Resp: 22152
Ion Ratio	Lower Upper
78 100	
77 24.5	18.1 27.1
50 13.3	15.5 23.3#



#37

1,2-Dichloroethane

Concen: 0.048 ppbv

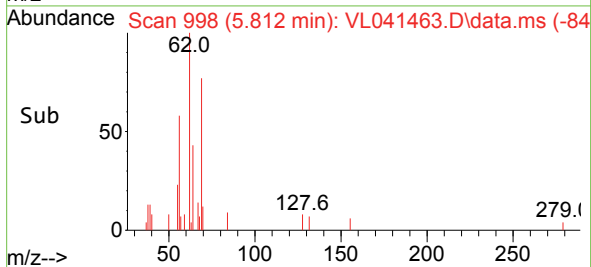
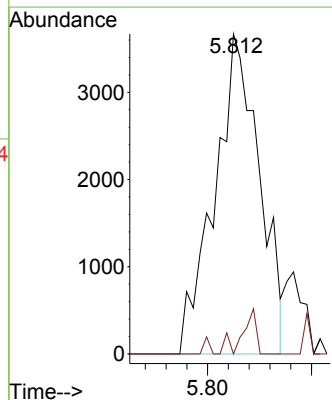
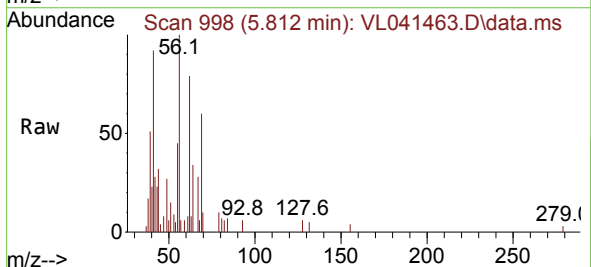
RT: 5.812 min Scan# 998

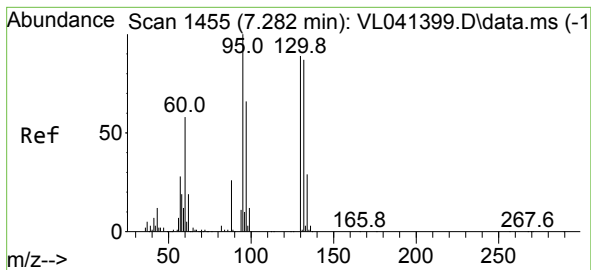
Delta R.T. 0.003 min

Lab File: VL041463.D

Acq: 31 Jul 2024 14:56

Tgt Ion: 62	Resp: 5491
Ion Ratio	Lower Upper
62 100	
98 4.4	5.0 7.4#





#38

Trichloroethene

Concen: 0.078 ppbv

RT: 7.298 min Scan# 1455

Delta R.T. 0.000 min

Lab File: VL041463.D

Acq: 31 Jul 2024 14:56

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:130 Resp: 7352

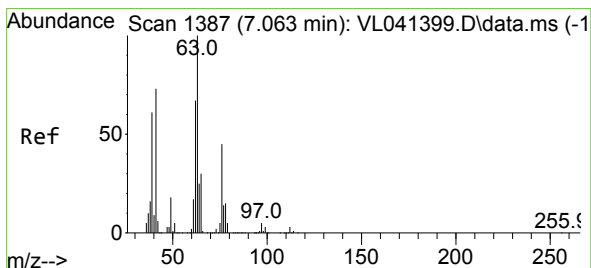
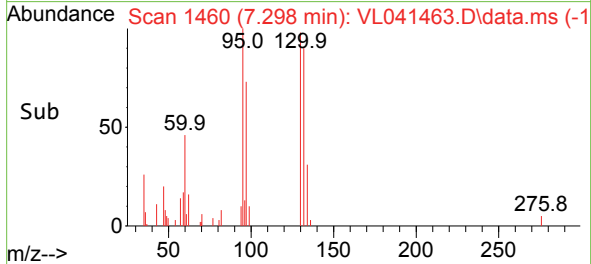
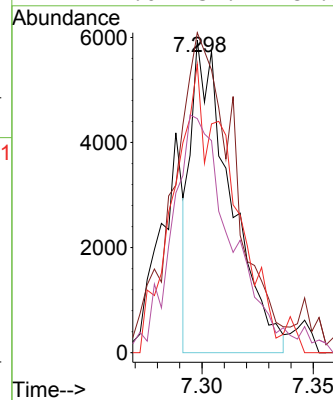
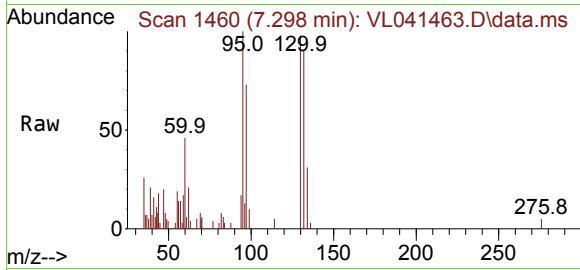
Ion Ratio Lower Upper

130 100

95 99.8 90.2 135.2

132 91.6 78.1 117.1

97 71.0 59.7 89.5



#39

1,2-Dichloropropane

Concen: 8.978 ppbv

RT: 6.664 min Scan# 1263

Delta R.T. -0.411 min

Lab File: VL041463.D

Acq: 31 Jul 2024 14:56

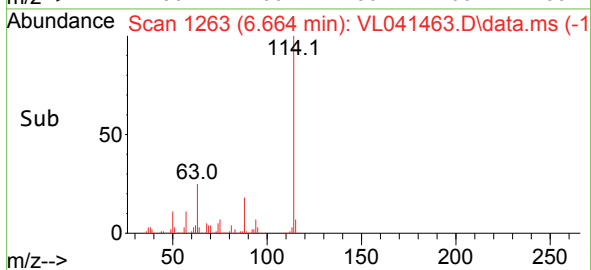
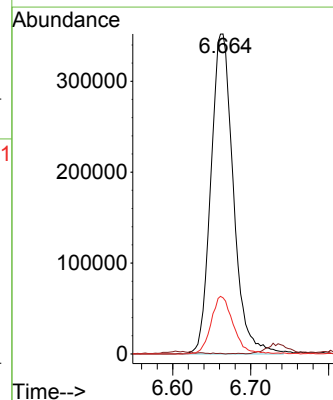
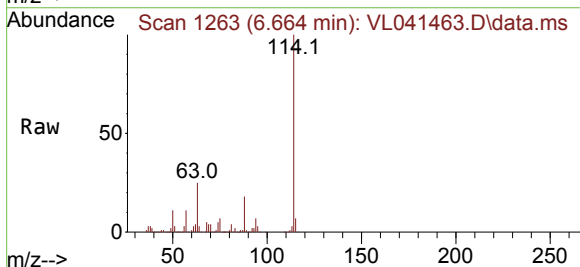
Tgt Ion: 63 Resp: 705027

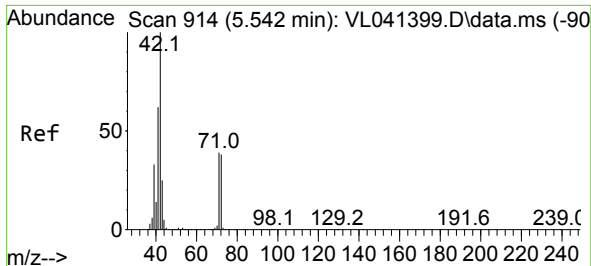
Ion Ratio Lower Upper

63 100

41 0.0 58.3 87.5#

62 17.5 53.9 80.9#





#41

Tetrahydrofuran

Concen: 7.815 ppbv

RT: 5.221 min Scan# 81

Delta R.T. -0.338 min

Lab File: VL041463.D

Acq: 31 Jul 2024 14:56

Instrument :

MSVOA_L

ClientSampleId :

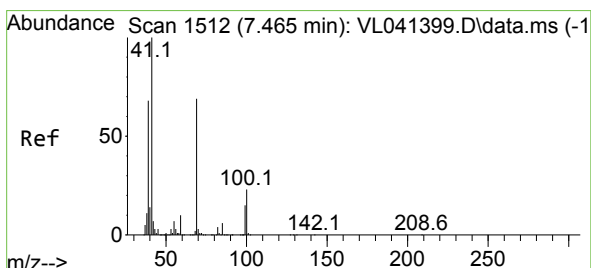
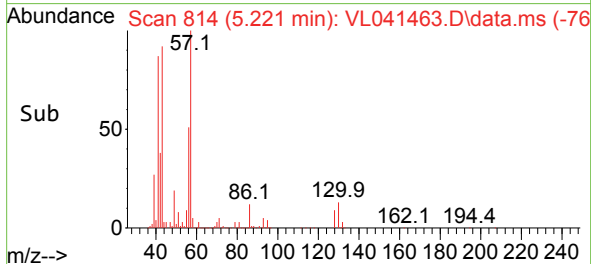
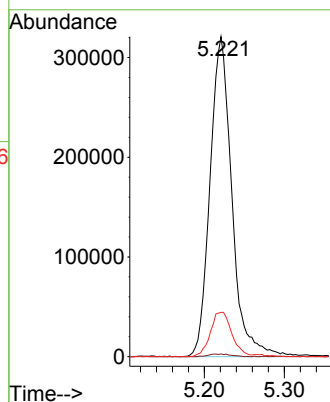
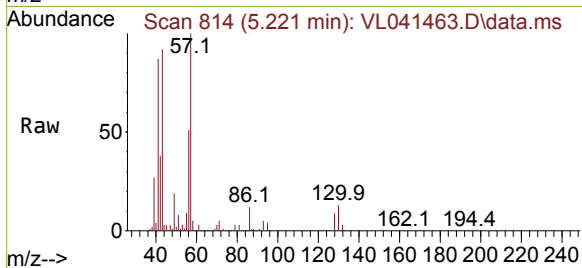
Tgt Ion: 42 Resp: 606957

Ion Ratio Lower Upper

42 100

72 0.9 31.2 46.8#

71 14.3 30.5 45.7#



#43

Methyl Methacrylate

Concen: 0.035 ppbv

RT: 7.478 min Scan# 1516

Delta R.T. 0.000 min

Lab File: VL041463.D

Acq: 31 Jul 2024 14:56

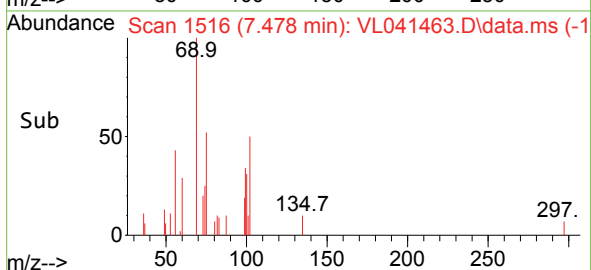
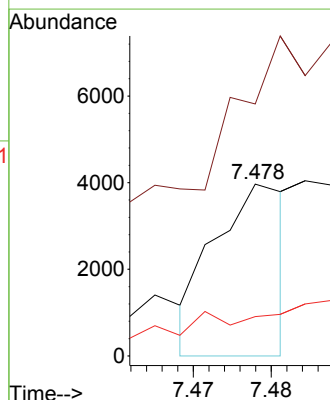
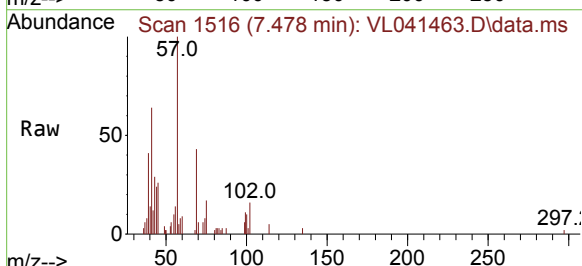
Tgt Ion: 69 Resp: 2550

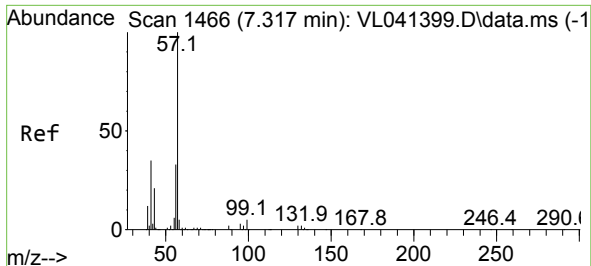
Ion Ratio Lower Upper

69 100

41 647.8 118.7 178.1#

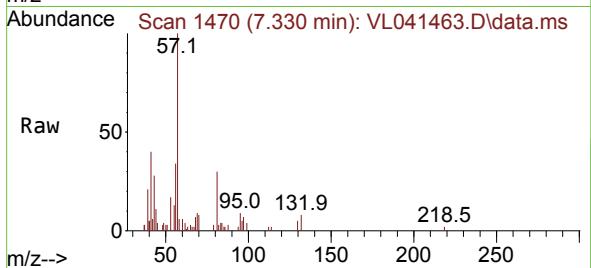
100 0.0 27.0 40.4#



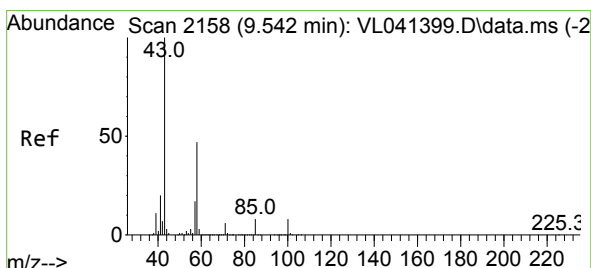
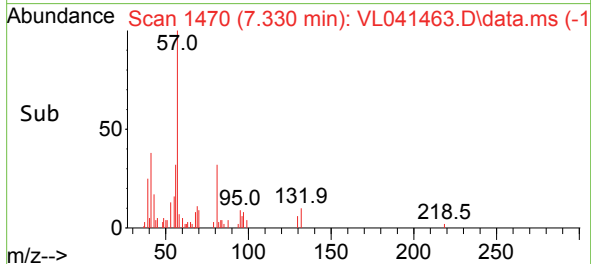
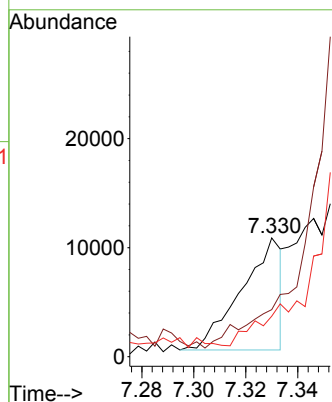


#44
2,2,4-Trimethylpentane
Concen: 0.032 ppbv
RT: 7.330 min Scan# 14
Delta R.T. -0.003 min
Lab File: VL041463.D
Acq: 31 Jul 2024 14:56

Instrument :
MSVOA_L
ClientSampleId :

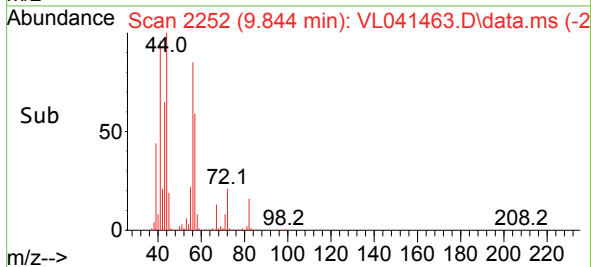
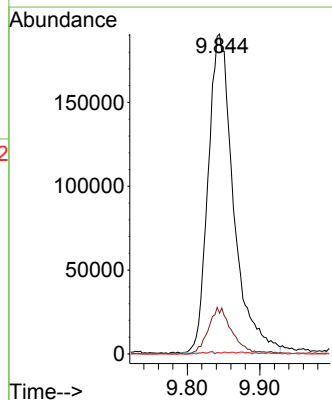
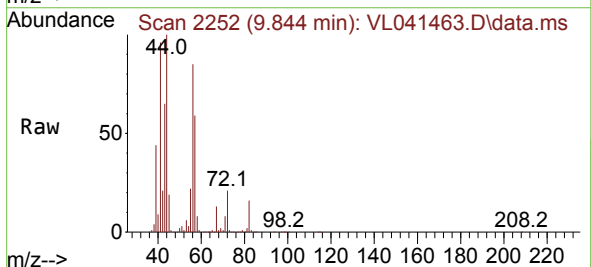


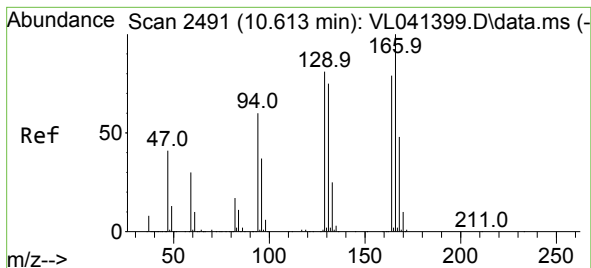
Tgt Ion: 57 Resp: 11006
Ion Ratio Lower Upper
57 100
41 0.0 27.0 40.6#
56 0.0 25.2 37.8#



#51
2-Hexanone
Concen: 2.850 ppbv
RT: 9.844 min Scan# 2252
Delta R.T. 0.293 min
Lab File: VL041463.D
Acq: 31 Jul 2024 14:56

Tgt Ion: 43 Resp: 461662
Ion Ratio Lower Upper
43 100
58 13.9 38.2 57.2#
98 0.3 0.3 0.5#





#52

Tetrachloroethene

Concen: 8.863 ppbv

RT: 10.629 min Scan# 2496

Delta R.T. 0.007 min

Lab File: VL041463.D

Acq: 31 Jul 2024 14:56

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:164 Resp: 702476

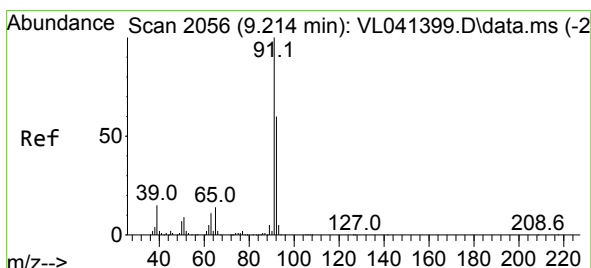
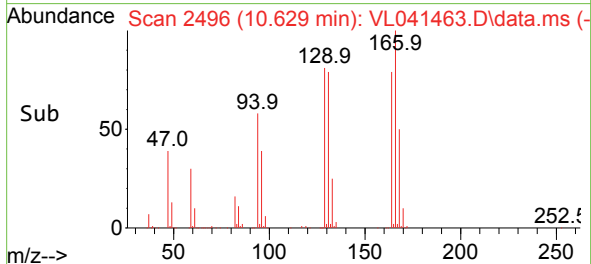
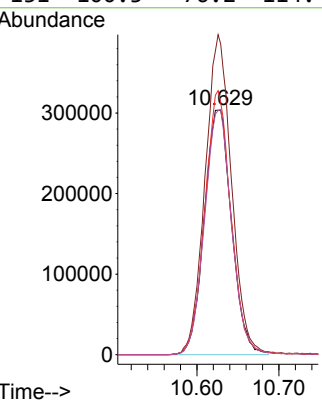
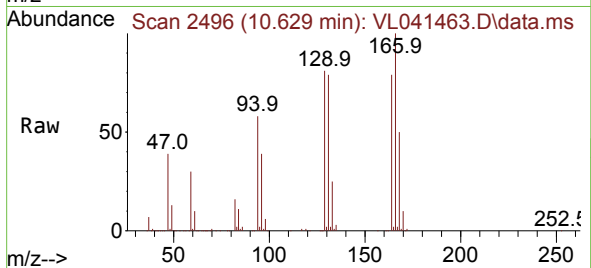
Ion Ratio Lower Upper

164 100

166 127.1 101.1 151.7

129 103.2 81.7 122.5

131 100.3 76.2 114.4



#53

Toluene

Concen: 1.776 ppbv

RT: 9.233 min Scan# 2062

Delta R.T. 0.007 min

Lab File: VL041463.D

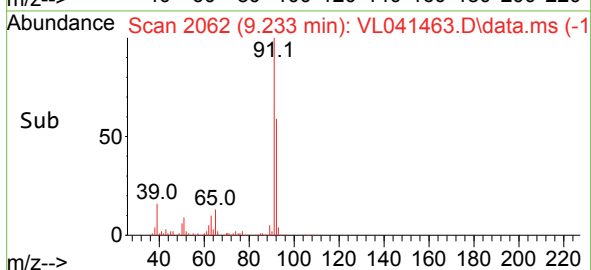
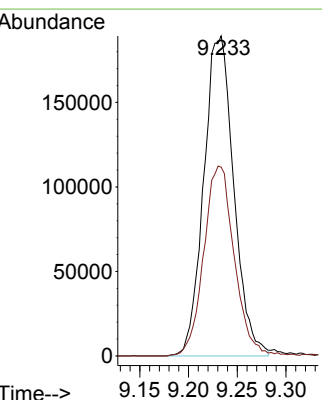
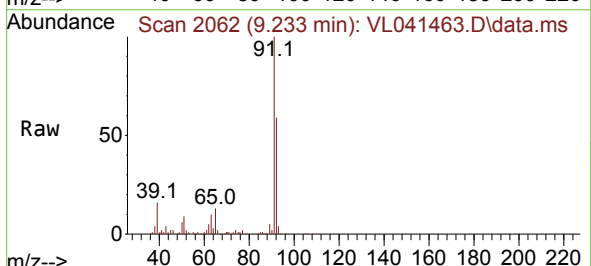
Acq: 31 Jul 2024 14:56

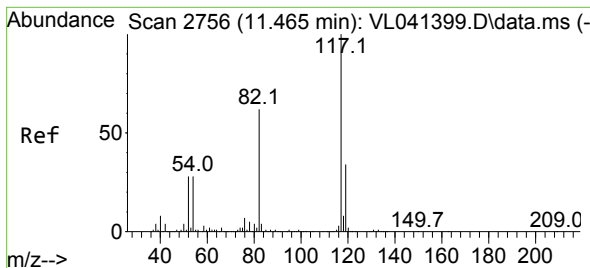
Tgt Ion: 91 Resp: 405707

Ion Ratio Lower Upper

91 100

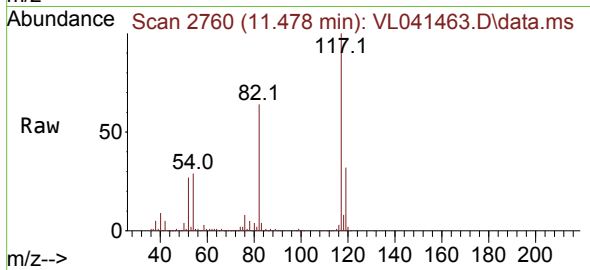
92 60.5 48.7 73.1



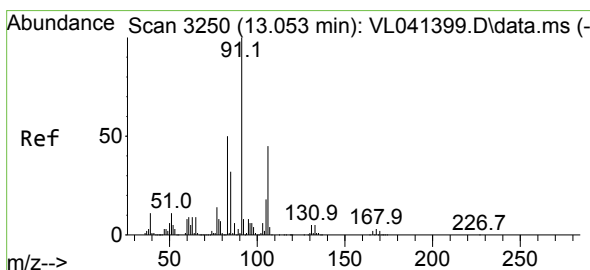
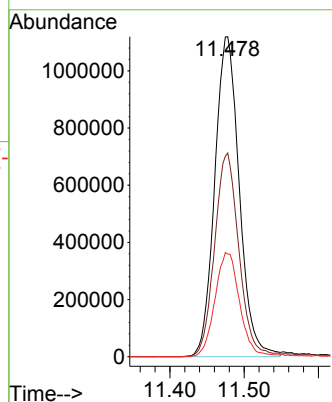
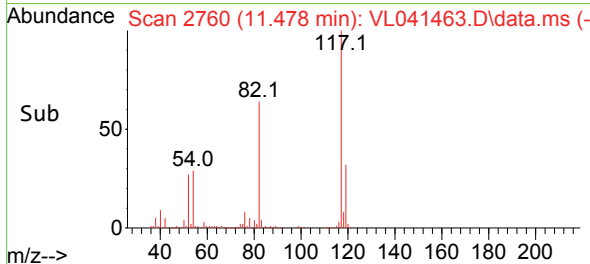


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.478 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL041463.D
Acq: 31 Jul 2024 14:56

Instrument :
MSVOA_L
ClientSampleId :

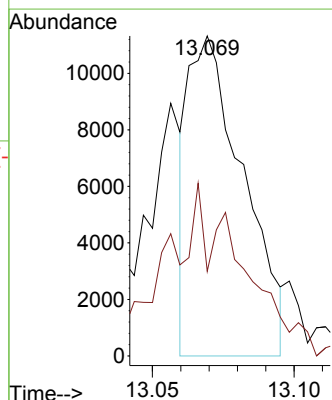
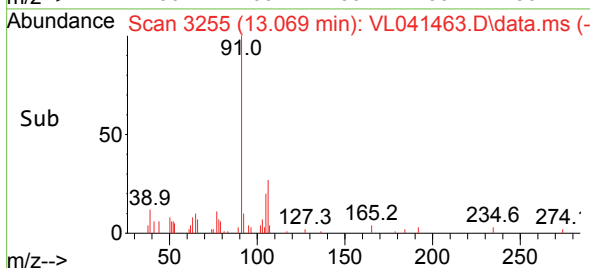
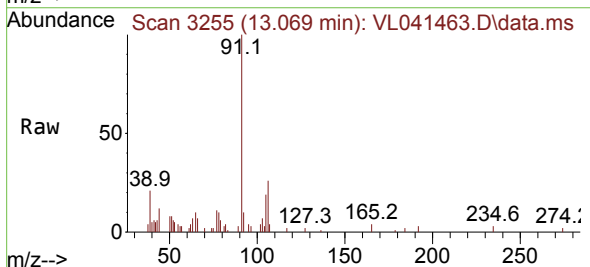


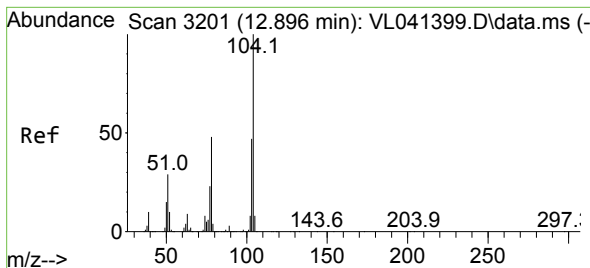
Tgt Ion:117 Resp: 2573217
Ion Ratio Lower Upper
117 100
82 64.5 51.0 76.6
119 33.4 45.2 67.8#



#60
o-Xylene
Concen: 0.063 ppbv
RT: 13.069 min Scan# 3255
Delta R.T. 0.003 min
Lab File: VL041463.D
Acq: 31 Jul 2024 14:56

Tgt Ion: 91 Resp: 15293
Ion Ratio Lower Upper
91 100
106 76.7 23.1 69.3#





#61

Styrene

Concen: 0.038 ppbv

RT: 12.921 min Scan# 31

Delta R.T. 0.016 min

Lab File: VL041463.D

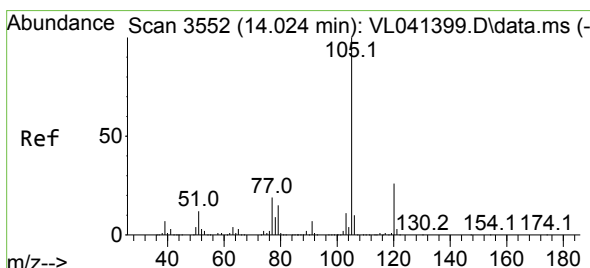
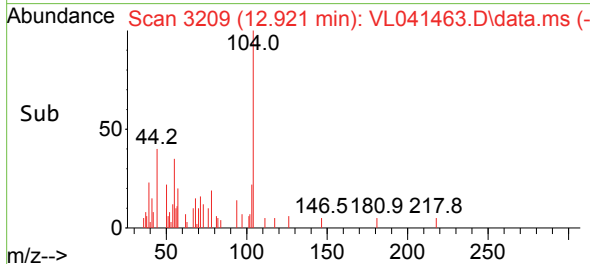
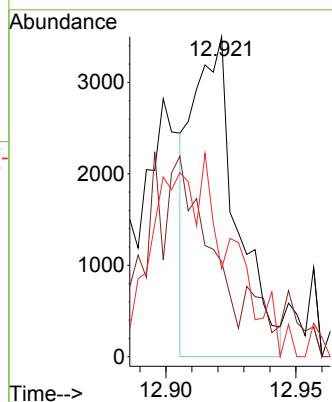
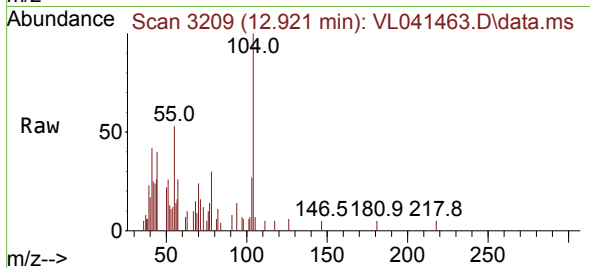
Acq: 31 Jul 2024 14:56

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:104 Resp: 4201
 Ion Ratio Lower Upper
 104 100
 78 0.0 40.8 61.2#
 103 109.3 38.2 57.4#



#62

Isopropylbenzene

Concen: 0.040 ppbv

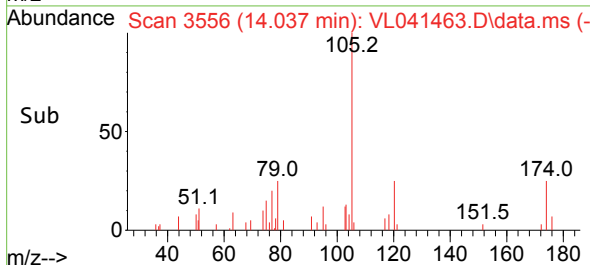
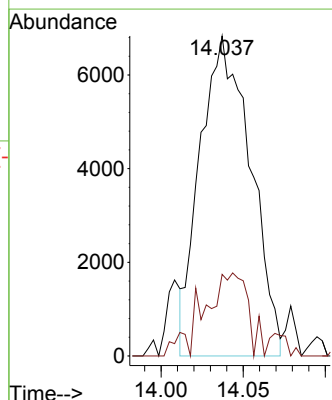
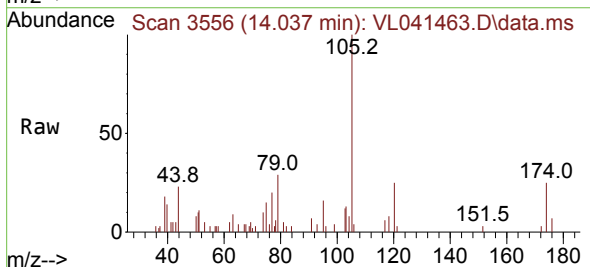
RT: 14.037 min Scan# 3556

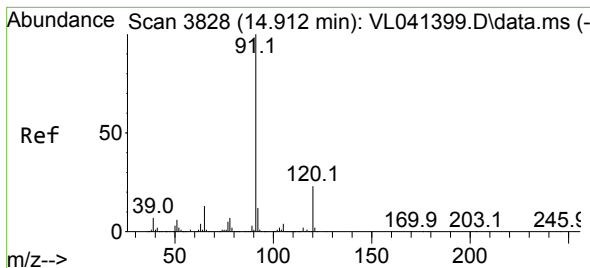
Delta R.T. 0.000 min

Lab File: VL041463.D

Acq: 31 Jul 2024 14:56

Tgt Ion:105 Resp: 14571
 Ion Ratio Lower Upper
 105 100
 120 25.5 21.0 31.4





#64

n-propylbenzene

Concen: 0.030 ppbv

RT: 14.934 min Scan# 3835

Delta R.T. 0.013 min

Lab File: VL041463.D

Acq: 31 Jul 2024 14:56

Instrument :

MSVOA_L

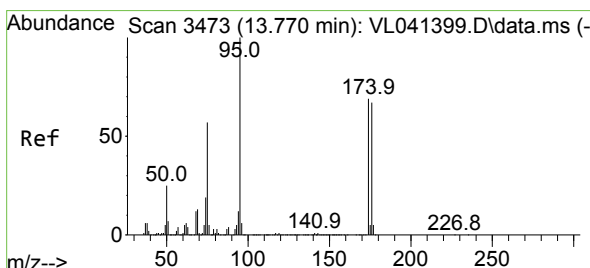
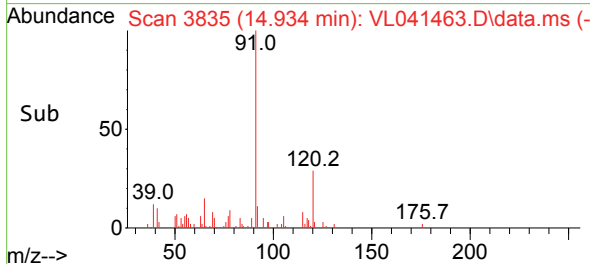
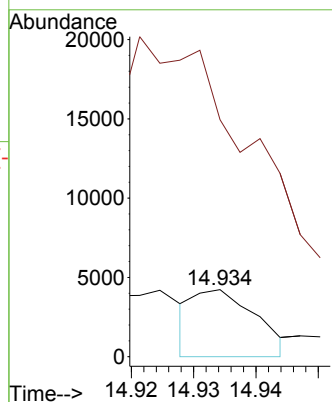
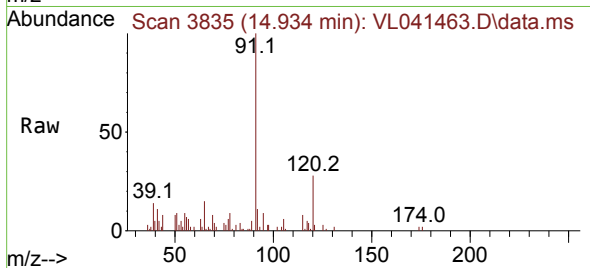
ClientSampleId :

Tgt Ion:120 Resp: 2930

Ion Ratio Lower Upper

120 100

91 0.0 361.4 542.0#



#68

1-Bromo-4-Fluorobenzene

Concen: 10.168 ppbv

RT: 13.786 min Scan# 3478

Delta R.T. 0.003 min

Lab File: VL041463.D

Acq: 31 Jul 2024 14:56

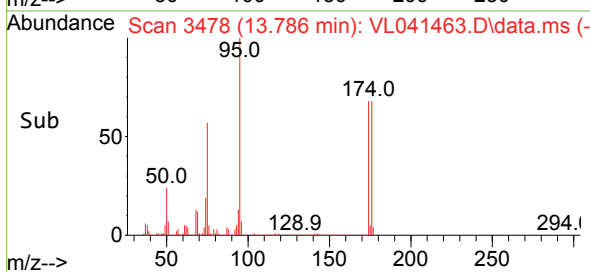
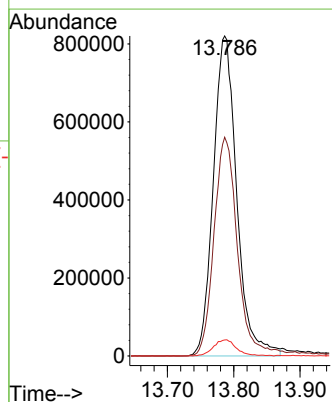
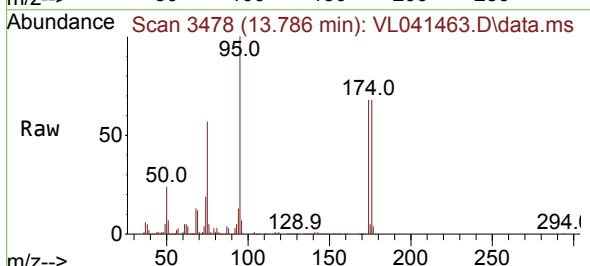
Tgt Ion: 95 Resp: 2013450

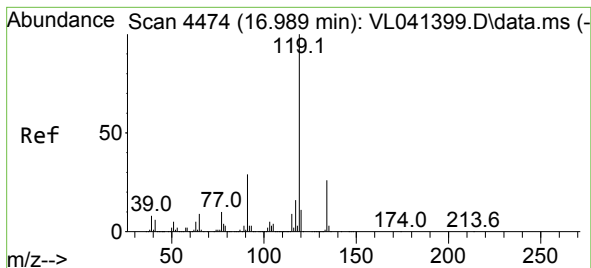
Ion Ratio Lower Upper

95 100

174 70.3 56.3 84.5

175 5.0 4.0 6.0





#69

p-Isopropyltoluene

Concen: 0.074 ppbv

RT: 17.008 min Scan# 4474

Delta R.T. 0.007 min

Lab File: VL041463.D

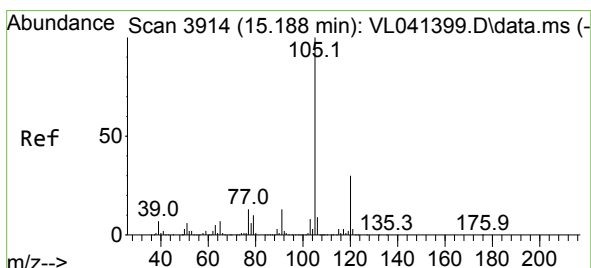
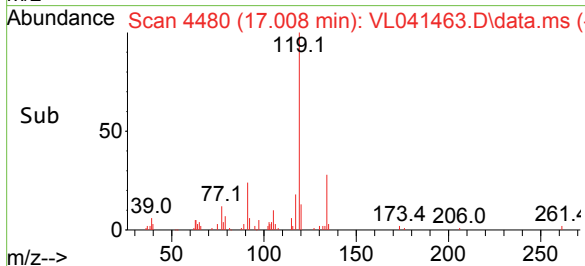
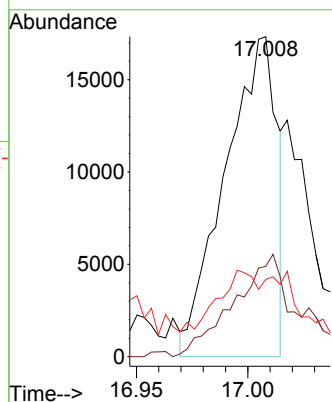
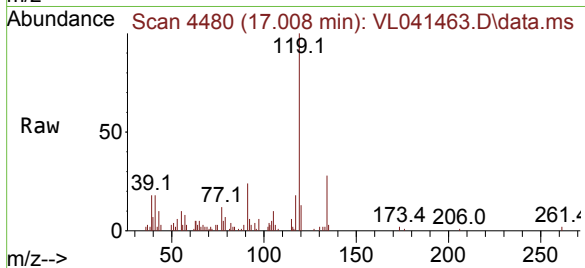
Acq: 31 Jul 2024 14:56

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:119	Resp:	28019
Ion Ratio	Lower	Upper
119	100	
134	40.5	20.5 30.7#
91	49.4	23.2 34.8#



#72

4-Ethyltoluene

Concen: 0.094 ppbv

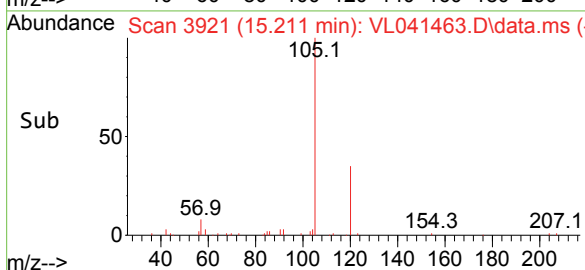
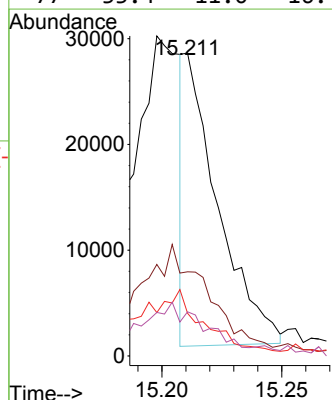
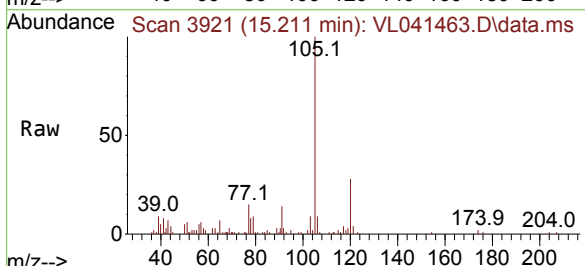
RT: 15.211 min Scan# 3921

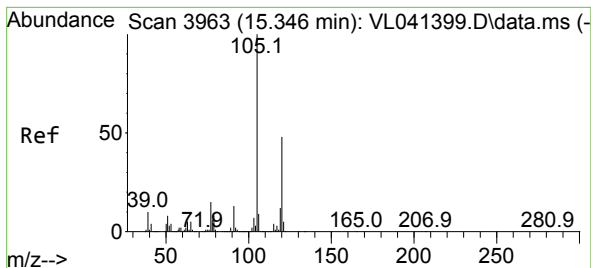
Delta R.T. 0.013 min

Lab File: VL041463.D

Acq: 31 Jul 2024 14:56

Tgt Ion:105	Resp:	26716
Ion Ratio	Lower	Upper
105	100	
120	92.5	24.2 36.2#
91	49.2	10.4 15.6#
77	33.4	11.0 16.4#





#73

1,3,5-Trimethylbenzene

Concen: 0.071 ppbv

RT: 15.365 min Scan# 3963

Delta R.T. 0.007 min

Lab File: VL041463.D

Acq: 31 Jul 2024 14:56

Instrument :

MSVOA_L

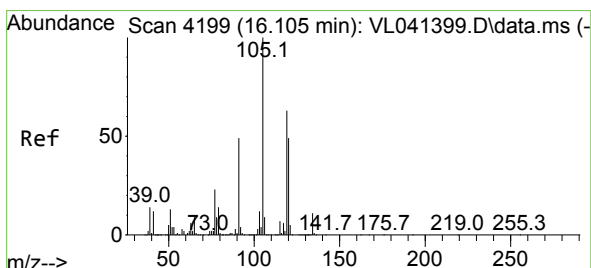
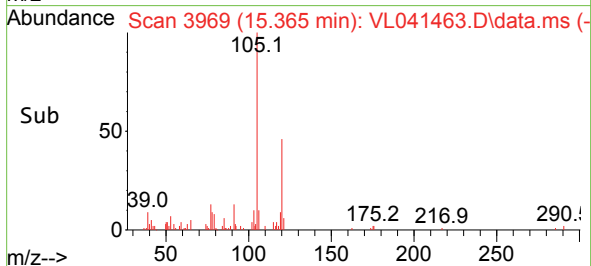
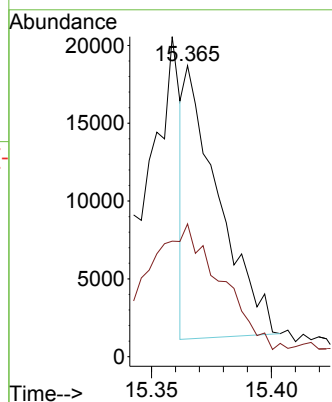
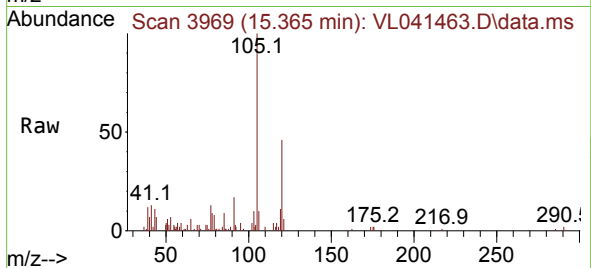
ClientSampleId :

Tgt Ion:105 Resp: 17391

Ion Ratio Lower Upper

105 100

120 43.1 38.6 57.8



#74

1,2,4-Trimethylbenzene

Concen: 0.366 ppbv

RT: 16.117 min Scan# 4203

Delta R.T. 0.000 min

Lab File: VL041463.D

Acq: 31 Jul 2024 14:56

Tgt Ion:105 Resp: 104542

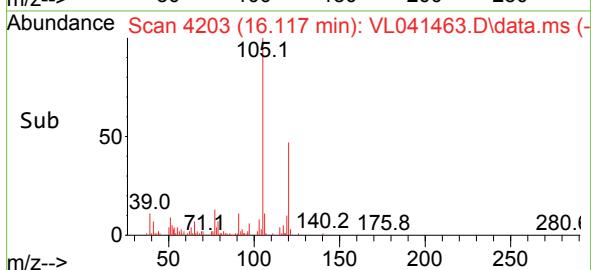
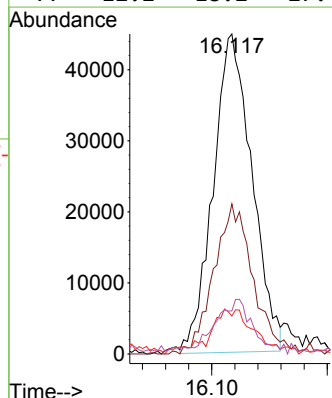
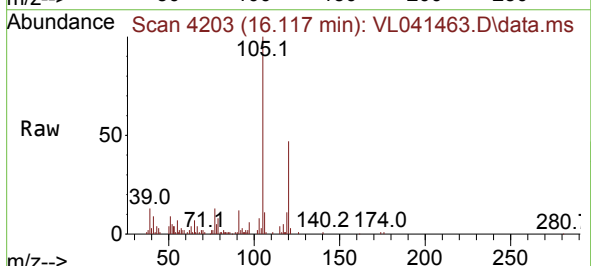
Ion Ratio Lower Upper

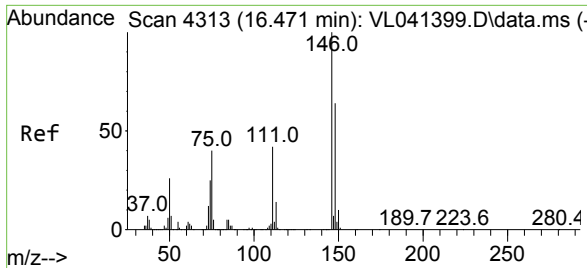
105 100

120 47.5 39.5 59.3

91 10.6 39.8 59.8#

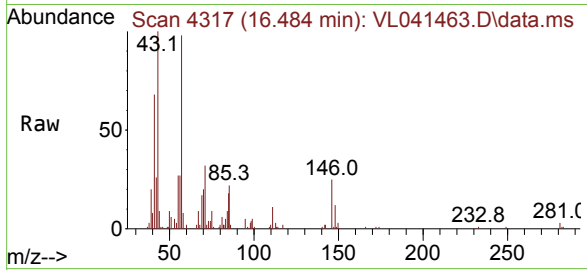
77 12.2 18.2 27.4#





#76
 1,4-Dichlorobenzene
 Concen: 0.036 ppbv
 RT: 16.484 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL041463.D
 Acq: 31 Jul 2024 14:56

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion:	146	Resp:	6264
Ion	Ratio	Lower	Upper
146	100		
111	101.2	22.4	67.0#
148	102.8	33.1	99.5#

