

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL033125\
 Data File : VL042206.D
 Acq On : 31 Mar 2025 12:26
 Operator : SY/MD
 Sample : Q1669-06DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-DUP-1-3262025DUP

Quant Time: Apr 01 01:38:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.807	49	184777	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.985	114	533717	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.908	117	486289	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.397	95	393432	9.852	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.506	85	12317	0.451	ppbv	97
3) Chlorodifluoromethane	1.483	51	8722	0.313	ppbv	94
4) Chloromethane	1.538	50	4692	0.421	ppbv	92
7) Chloroethane	1.719	64	135	0.030	ppbv #	69
9) Propene	1.489	41	224043	17.538	ppbv	96
10) Heptane	5.011	43	56357	1.659	ppbv	94
11) Trichlorofluoromethane	1.888	101	5051	0.190	ppbv	88
12) 1,1,2-Trichlorotrifluo...	2.153	101	1734	0.079	ppbv	87
13) Ethanol	1.732	45	130271	107.874	ppbv	84
15) Acetone	1.845	43	729874	28.244	ppbv #	84
16) 1,3-Butadiene	1.609	39	104507	8.281	ppbv #	46
17) tert-Butyl alcohol	2.056	59	5866	0.182	ppbv #	71
19) Isopropyl Alcohol	1.897	45	19417	1.332	ppbv #	1
20) Methylene Chloride	2.072	84	5120	0.532	ppbv	86
21) Allyl Chloride	2.088	41	12396	0.680	ppbv #	39
23) Vinyl Acetate	2.490	43	200866	17.959	ppbv #	48
25) Ethyl Acetate	2.842	43	83191	1.240	ppbv #	79
26) Hexane	2.846	57	118243	4.564	ppbv #	33
29) Chloroform	2.868	83	1254	0.033	ppbv	99
30) Cyclohexane	3.881	84	33679	1.497	ppbv	94
34) 2-Butanone	2.574	43	248177	6.413	ppbv	99
35) Carbon Tetrachloride	3.784	117	2736	0.066	ppbv #	76
36) Benzene	3.681	78	309110	5.842	ppbv	100
39) 1,2-Dichloropropane	3.982	63	133506	6.928	ppbv #	23
41) Tetrahydrofuran	3.079	42	43424	1.948	ppbv	96
44) 2,2,4-Trimethylpentane	4.674	57	209735	2.346	ppbv #	85
50) 4-Methyl-2-Pentanone	5.801	43	7281	0.119	ppbv #	39
53) Toluene	6.966	91	625978	9.980	ppbv	100
58) Ethyl Benzene	9.380	91	117204	1.357	ppbv	100
59) m/p-Xylene	9.555	91	353075	5.119	ppbv	99
60) o-Xylene	9.989	91	131916	1.908	ppbv	98
61) Styrene	9.892	104	47838	1.398	ppbv	98
62) Isopropylbenzene	10.558	105	8304	0.080	ppbv	94
64) n-propylbenzene	11.008	120	6104	0.229	ppbv	99
65) tert-Butylbenzene	11.902	119	6784	0.071	ppbv	89
70) n-Butylbenzene	12.303	91	8458	0.072	ppbv #	36
72) 4-Ethyltoluene	11.144	105	36900	0.429	ppbv #	55
73) 1,3,5-Trimethylbenzene	11.222	105	32118	0.427	ppbv	87
74) 1,2,4-Trimethylbenzene	11.552	105	115741	1.336	ppbv #	64
79) Naphthalene	13.530	128	34692	0.366	ppbv	99
80) Naphthalene,2-methyl-	14.604	142	6448	0.139	ppbv	92

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Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SSSG-DUP-1-3262025DUP

Quant Time: Apr 01 01:38:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

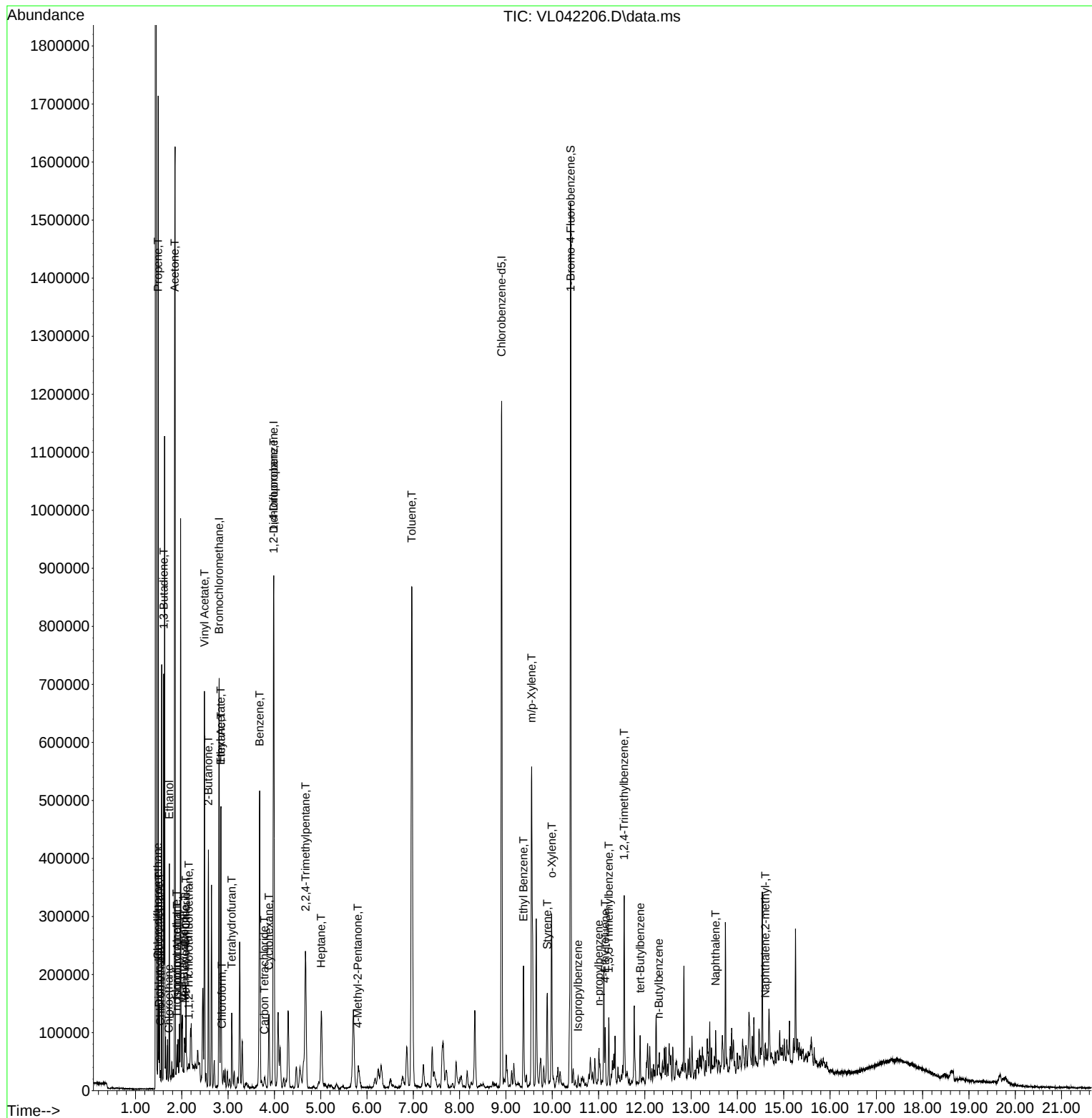
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

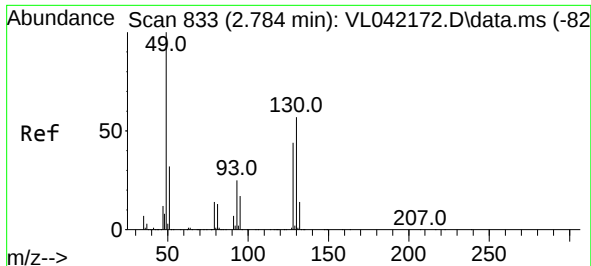
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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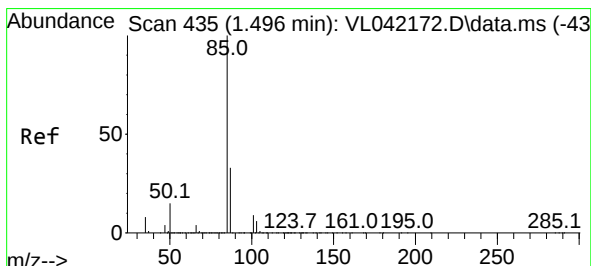
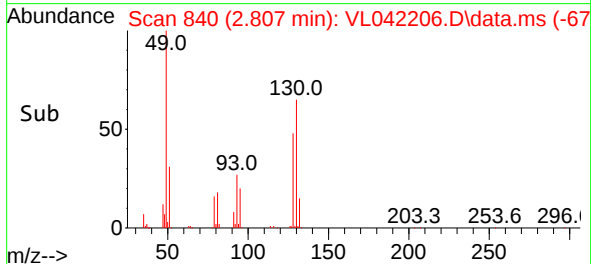
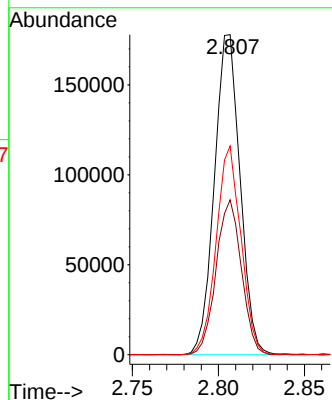
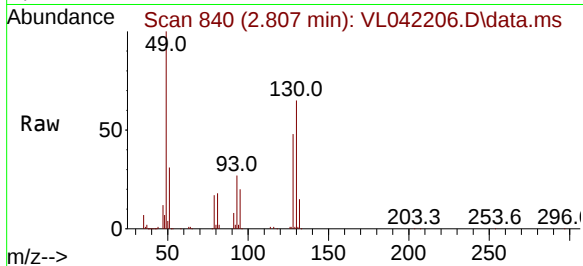




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.807 min Scan# 841
Delta R.T. 0.023 min
Lab File: VL042206.D
Acq: 31 Mar 2025 12:26

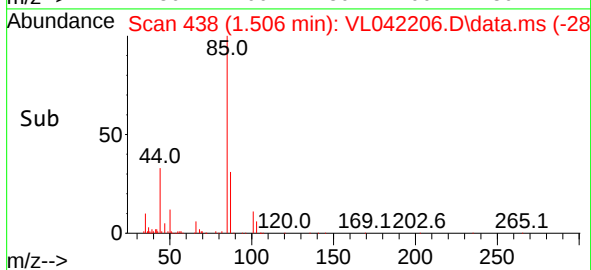
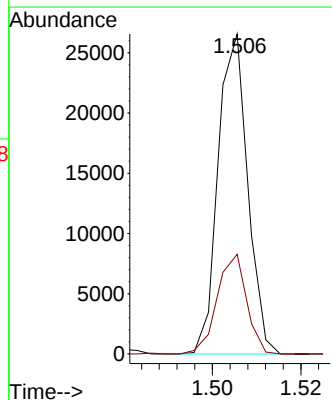
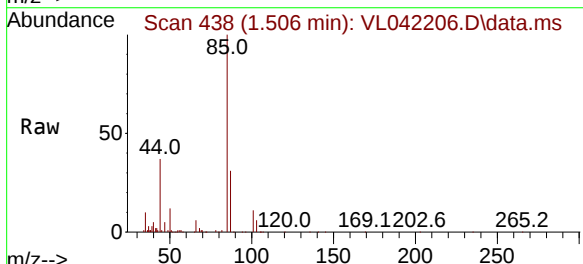
Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-1-3262025DUP

Tgt Ion: 49 Resp: 184777
Ion Ratio Lower Upper
49 100
128 47.6 22.9 68.5
130 63.0 28.8 86.4



#2
Dichlorodifluoromethane
Concen: 0.451 ppbv
RT: 1.506 min Scan# 438
Delta R.T. 0.010 min
Lab File: VL042206.D
Acq: 31 Mar 2025 12:26

Tgt Ion: 85 Resp: 12317
Ion Ratio Lower Upper
85 100
87 31.1 26.1 39.1

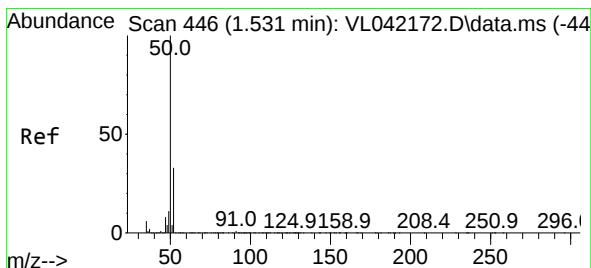
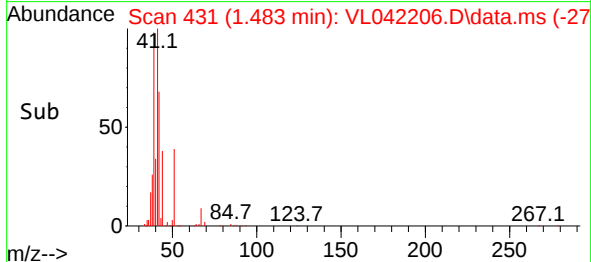
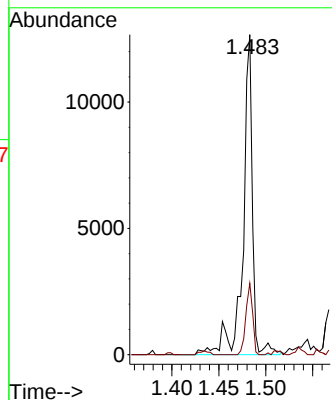
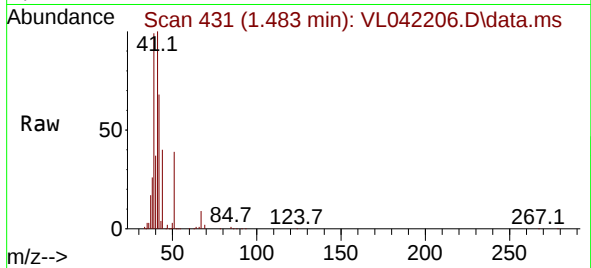




#3
Chlorodifluoromethane
Concen: 0.313 ppbv
RT: 1.483 min Scan# 41
Delta R.T. 0.010 min
Lab File: VL042206.D
Acq: 31 Mar 2025 12:26

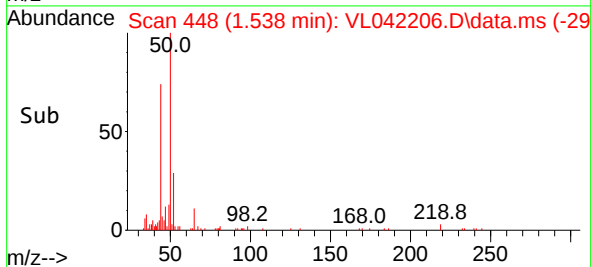
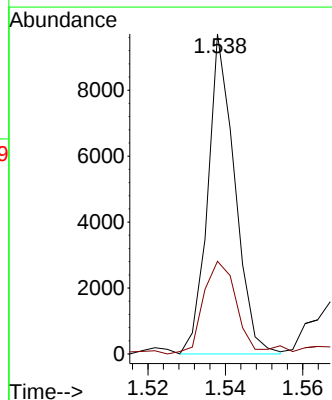
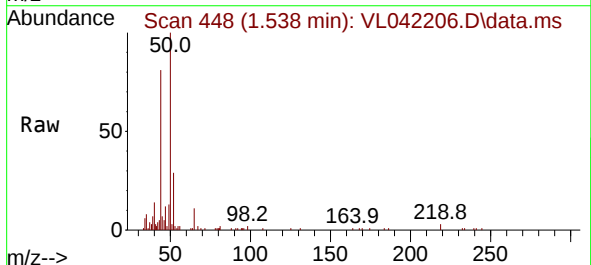
Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-1-3262025DUP

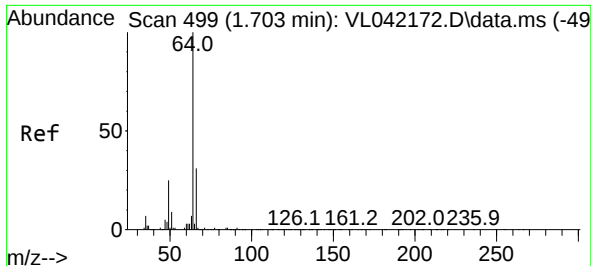
Tgt Ion: 51 Resp: 8722
Ion Ratio Lower Upper
51 100
67 16.3 15.0 22.6



#4
Chloromethane
Concen: 0.421 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.007 min
Lab File: VL042206.D
Acq: 31 Mar 2025 12:26

Tgt Ion: 50 Resp: 4692
Ion Ratio Lower Upper
50 100
52 28.2 26.1 39.1

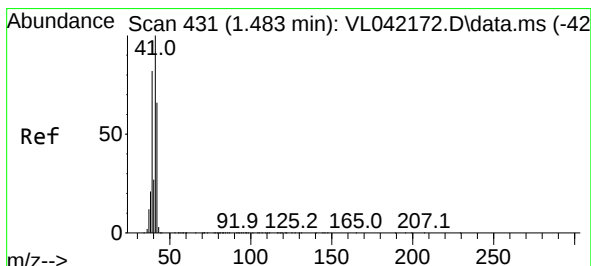
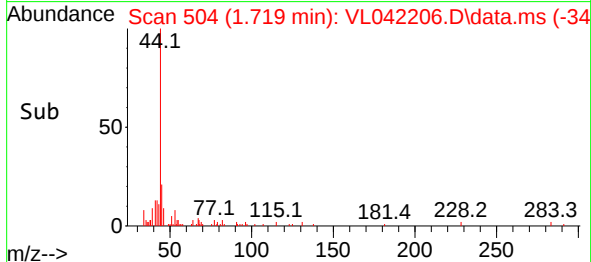
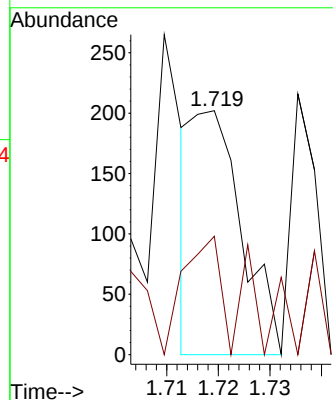
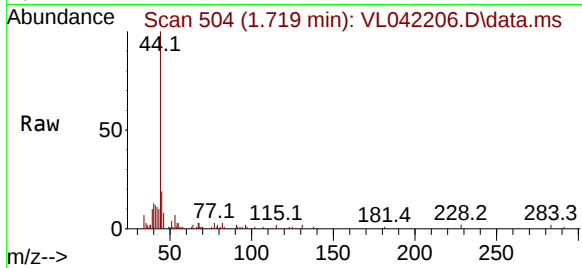




#7
Chloroethane
Concen: 0.030 ppbv
RT: 1.719 min Scan# 504
Delta R.T. 0.016 min
Lab File: VL042206.D
Acq: 31 Mar 2025 12:26

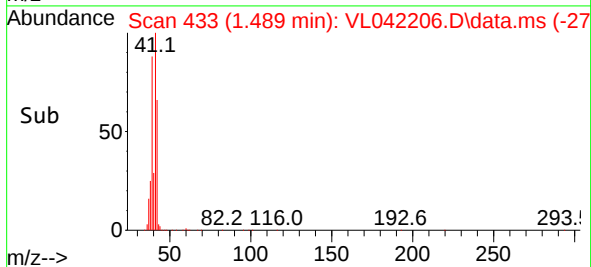
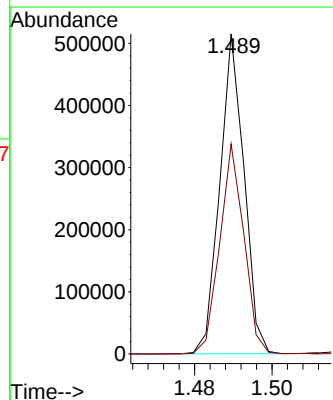
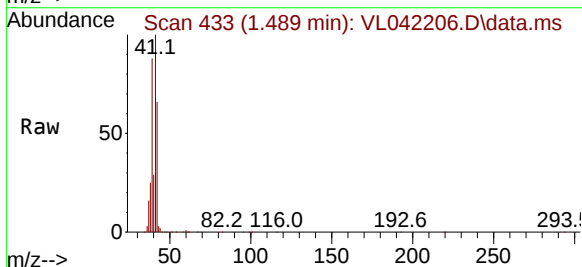
Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-1-3262025DUP

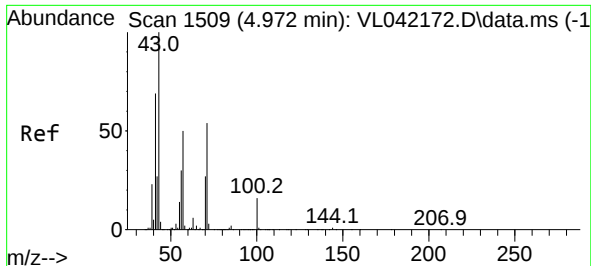
Tgt Ion: 64 Resp: 135
Ion Ratio Lower Upper
64 100
66 48.5 25.2 37.8#



#9
Propene
Concen: 17.538 ppbv
RT: 1.489 min Scan# 433
Delta R.T. 0.007 min
Lab File: VL042206.D
Acq: 31 Mar 2025 12:26

Tgt Ion: 41 Resp: 224043
Ion Ratio Lower Upper
41 100
42 65.9 55.4 83.2





#10

Heptane

Concen: 1.659 ppbv

RT: 5.011 min Scan# 1

Delta R.T. 0.039 min

Lab File: VL042206.D

Acq: 31 Mar 2025 12:26

Instrument :

MSVOA_L

ClientSampleId :

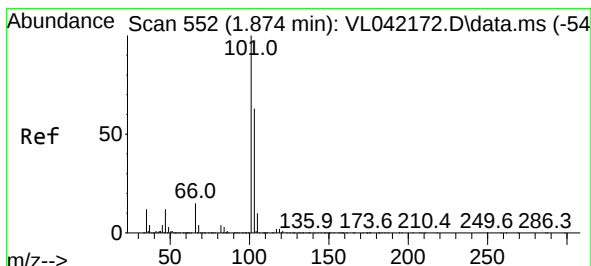
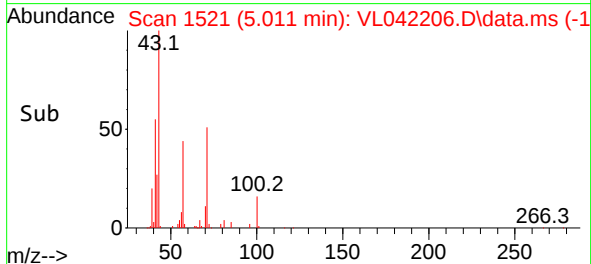
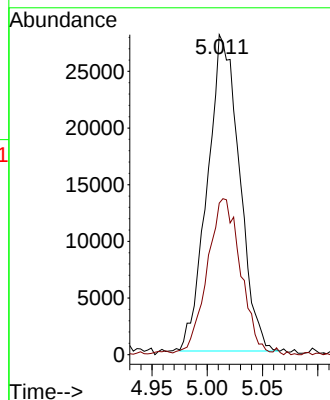
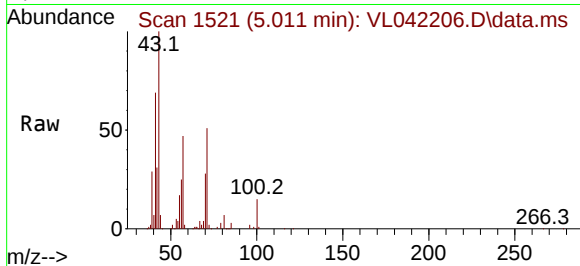
SSSG-DUP-1-3262025DUP

Tgt Ion: 43 Resp: 56357

Ion Ratio Lower Upper

43 100

57 53.1 39.4 59.2



#11

Trichlorofluoromethane

Concen: 0.190 ppbv

RT: 1.888 min Scan# 556

Delta R.T. 0.013 min

Lab File: VL042206.D

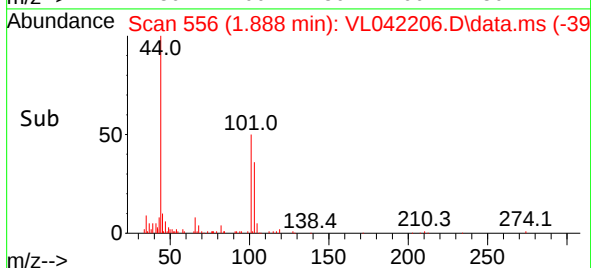
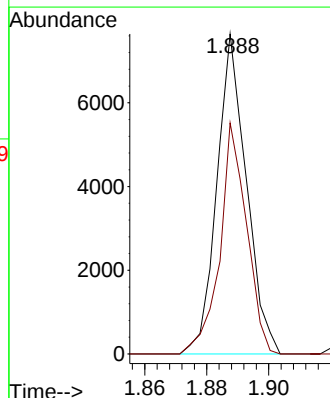
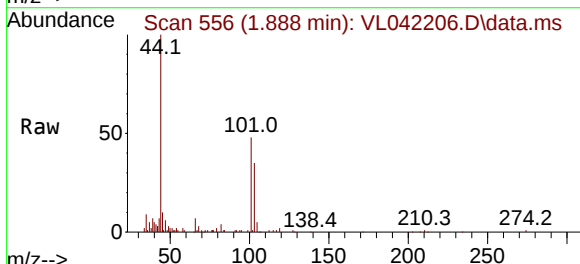
Acq: 31 Mar 2025 12:26

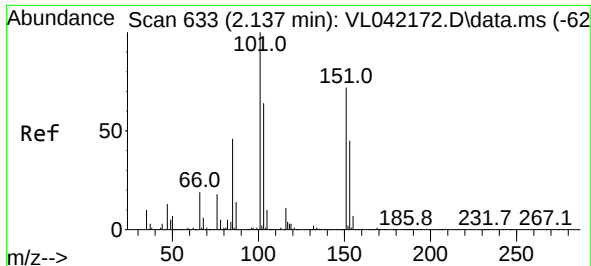
Tgt Ion:101 Resp: 5051

Ion Ratio Lower Upper

101 100

103 72.2 50.2 75.2

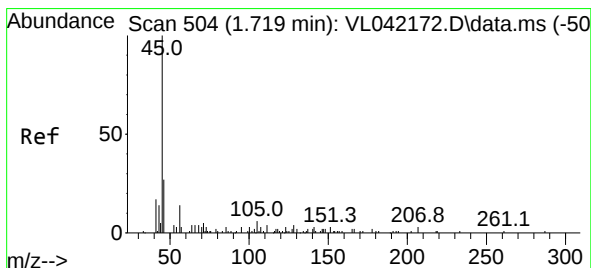
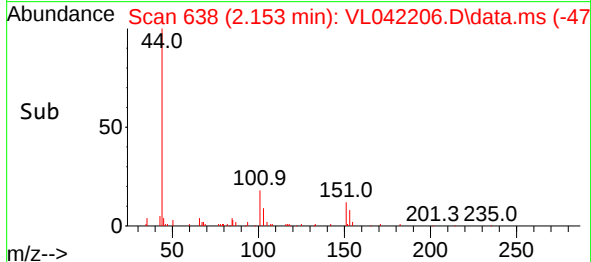
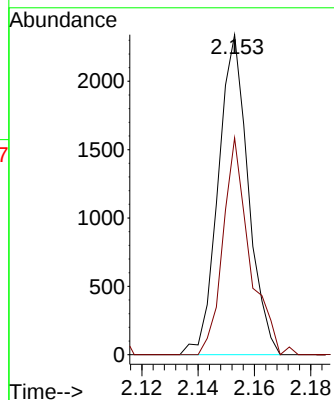
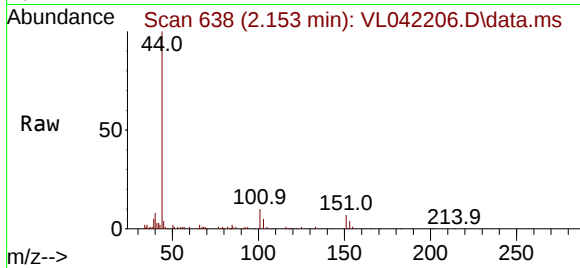




#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.079 ppbv
RT: 2.153 min Scan# 61
Delta R.T. 0.016 min
Lab File: VL042206.D
Acq: 31 Mar 2025 12:26

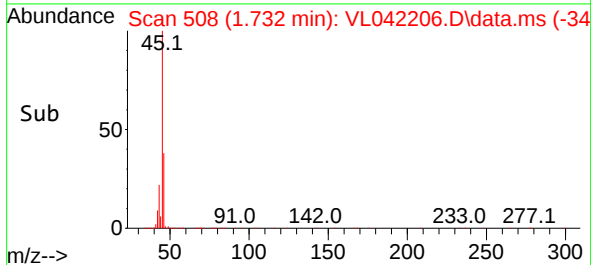
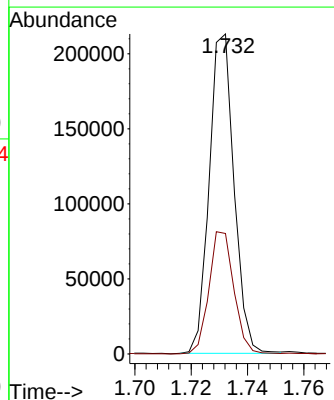
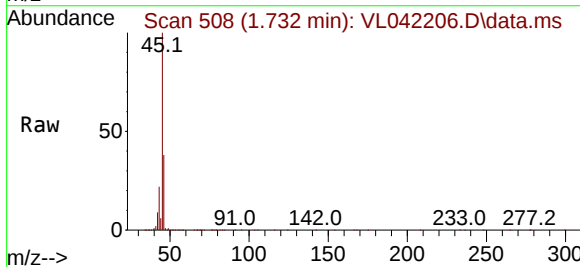
Instrument :
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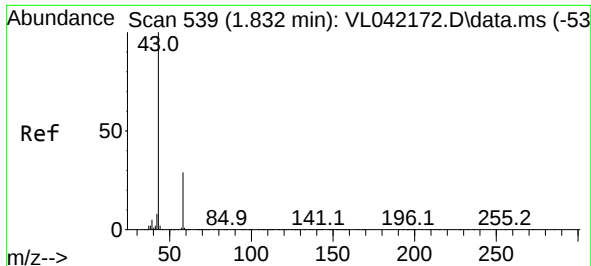
Tgt Ion:101 Resp: 1734
Ion Ratio Lower Upper
101 100
151 60.3 57.1 85.7



#13
Ethanol
Concen: 107.874 ppbv
RT: 1.732 min Scan# 508
Delta R.T. 0.013 min
Lab File: VL042206.D
Acq: 31 Mar 2025 12:26

Tgt Ion: 45 Resp: 130271
Ion Ratio Lower Upper
45 100
46 39.2 20.2 80.8





#15

Acetone

Concen: 28.244 ppbv

RT: 1.845 min Scan# 54

Delta R.T. 0.013 min

Lab File: VL042206.D

Acq: 31 Mar 2025 12:26

Instrument :

MSVOA_L

ClientSampleId :

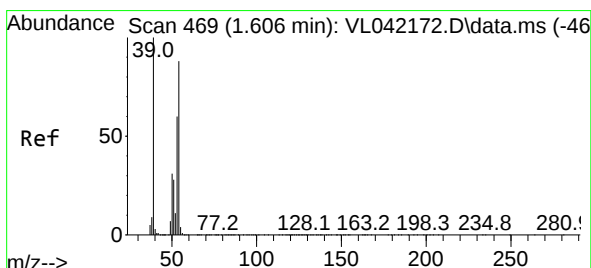
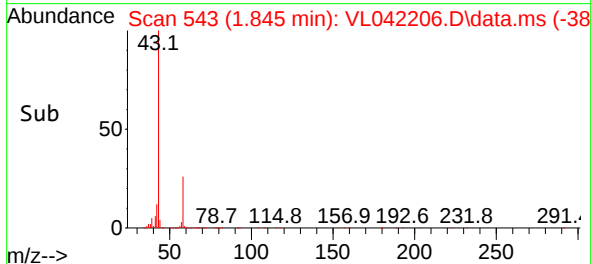
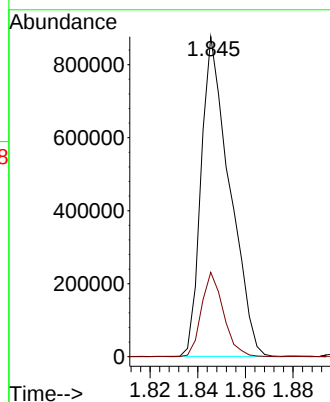
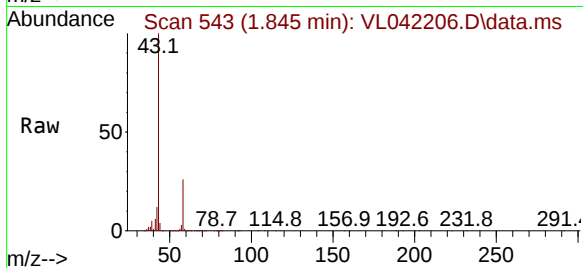
SSSG-DUP-1-3262025DUP

Tgt Ion: 43 Resp: 729874

Ion Ratio Lower Upper

43 100

58 20.6 23.2 34.8#



#16

1,3-Butadiene

Concen: 8.281 ppbv

RT: 1.609 min Scan# 470

Delta R.T. 0.003 min

Lab File: VL042206.D

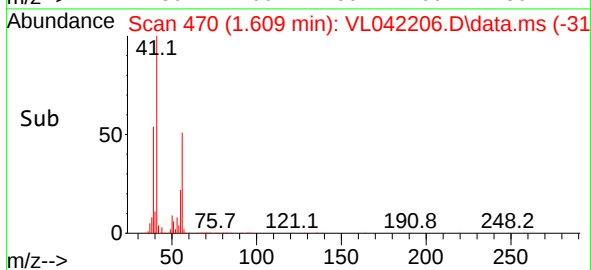
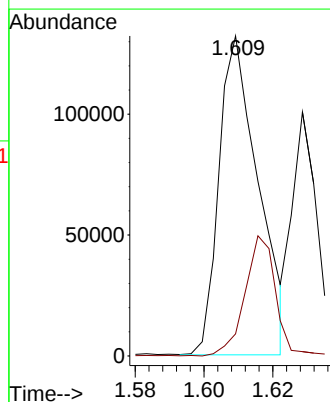
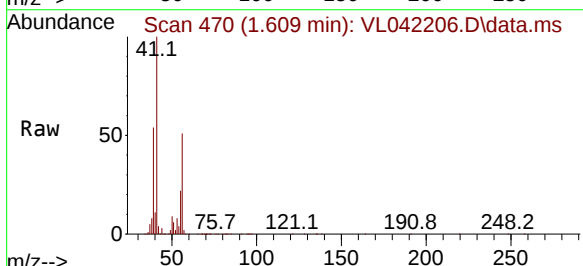
Acq: 31 Mar 2025 12:26

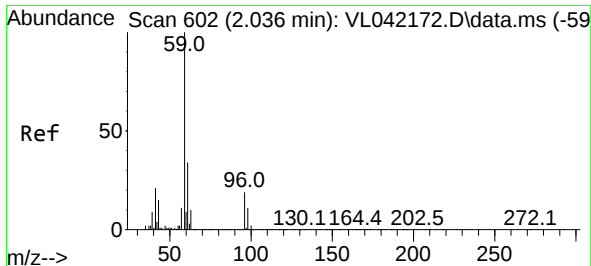
Tgt Ion: 39 Resp: 104507

Ion Ratio Lower Upper

39 100

54 29.3 60.7 91.1#





#17

tert-Butyl alcohol

Concen: 0.182 ppbv

RT: 2.056 min Scan# 602

Delta R.T. 0.020 min

Lab File: VL042206.D

Acq: 31 Mar 2025 12:26

Instrument :

MSVOA_1

ClientSampleId :

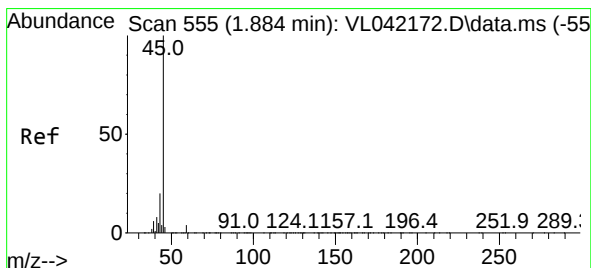
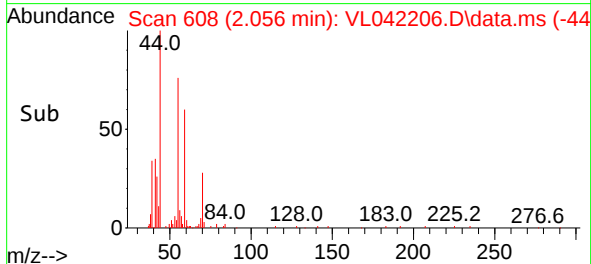
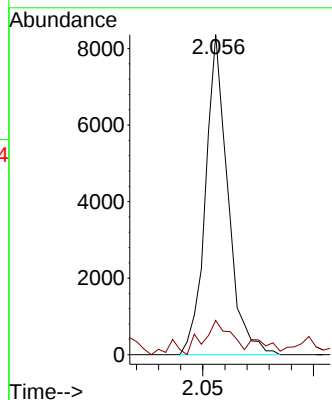
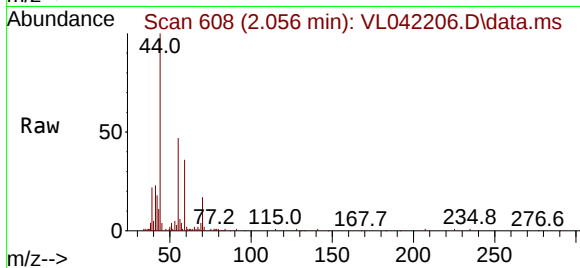
SSSG-DUP-1-3262025DUP

Tgt Ion: 59 Resp: 5866

Ion Ratio Lower Upper

59 100

57 0.0 8.9 13.3#



#19

Isopropyl Alcohol

Concen: 1.332 ppbv

RT: 1.897 min Scan# 559

Delta R.T. 0.013 min

Lab File: VL042206.D

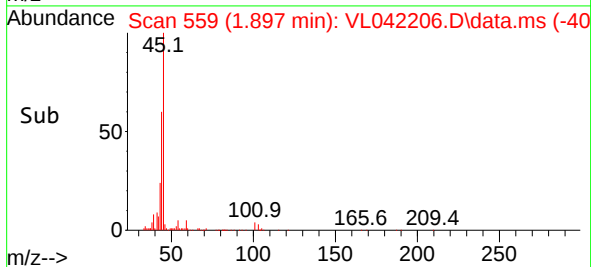
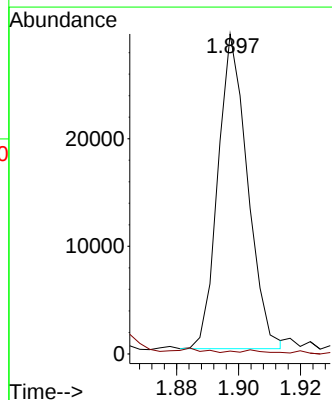
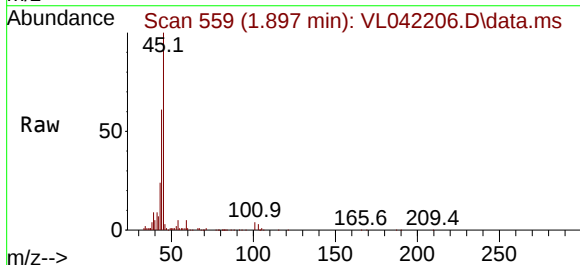
Acq: 31 Mar 2025 12:26

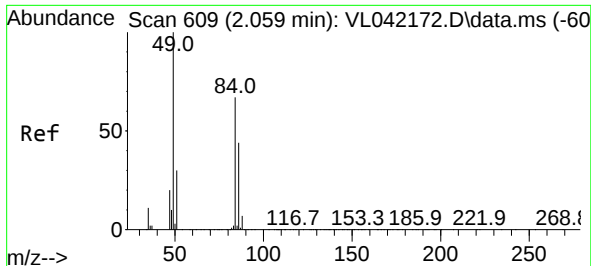
Tgt Ion: 45 Resp: 19417

Ion Ratio Lower Upper

45 100

58 772.1 36.9 55.3#

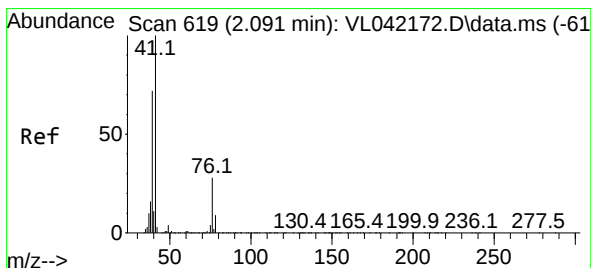
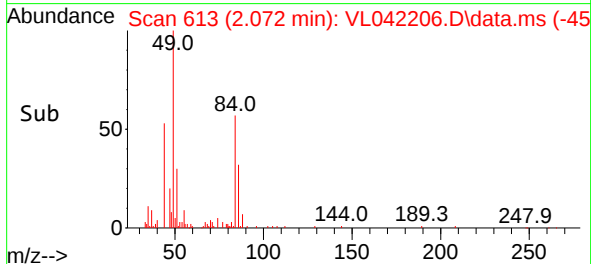
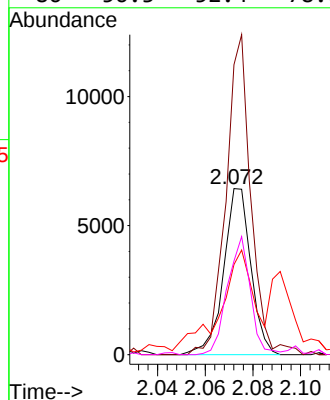
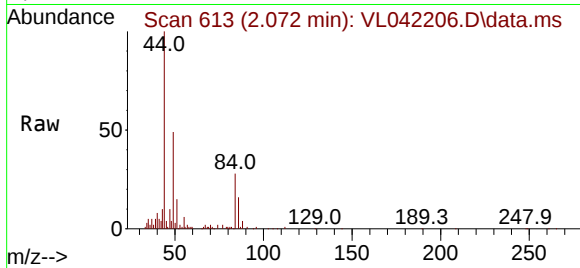




#20
Methylene Chloride
Concen: 0.532 ppbv
RT: 2.072 min Scan# 611
Delta R.T. 0.013 min
Lab File: VL042206.D
Acq: 31 Mar 2025 12:26

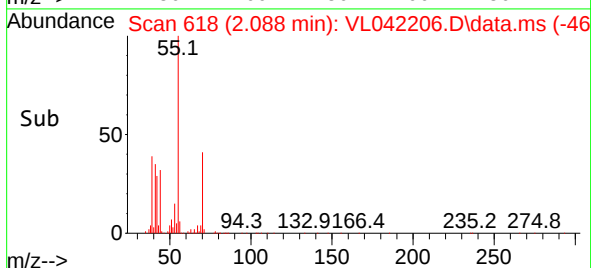
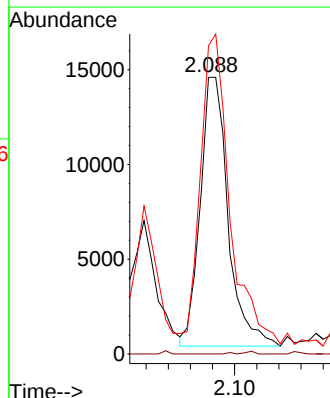
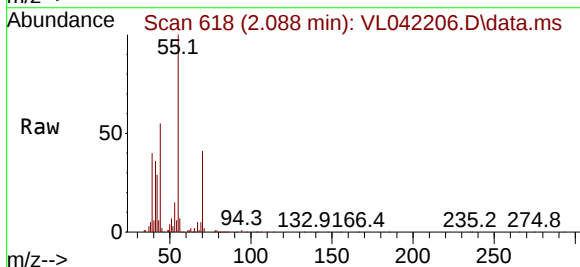
Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-1-3262025DUP

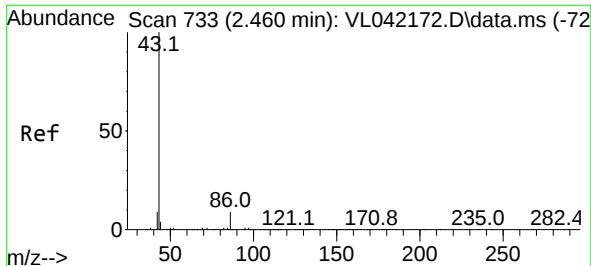
Tgt Ion: 84	Resp: 5120
Ion Ratio	Lower Upper
84	100
49	174.5 120.2 180.4
51	46.7 37.4 56.0
86	56.3 52.4 78.6



#21
Allyl Chloride
Concen: 0.680 ppbv
RT: 2.088 min Scan# 618
Delta R.T. -0.003 min
Lab File: VL042206.D
Acq: 31 Mar 2025 12:26

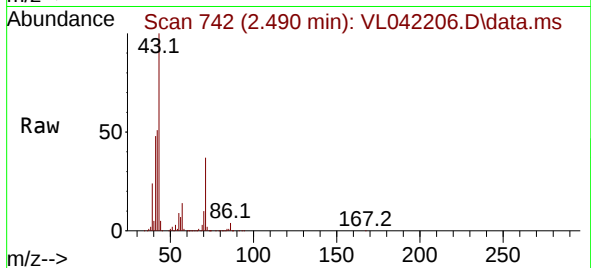
Tgt Ion: 41	Resp: 12396
Ion Ratio	Lower Upper
41	100
76	0.7 24.1 36.1#
39	130.9 61.1 91.7#



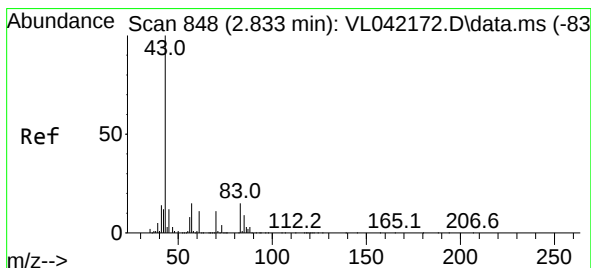
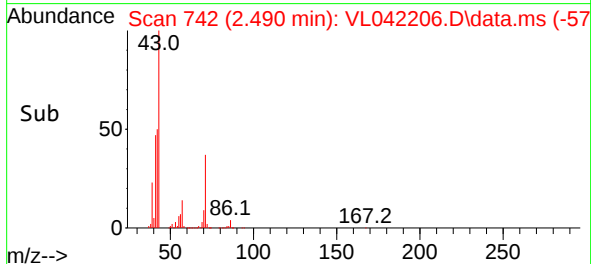
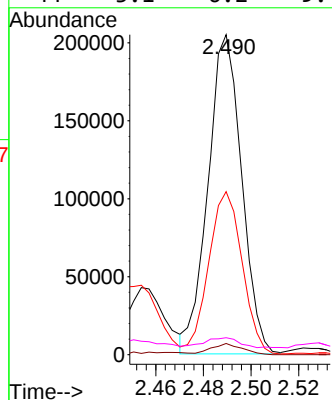


#23
Vinyl Acetate
Concen: 17.959 ppbv
RT: 2.490 min Scan# 741
Delta R.T. 0.029 min
Lab File: VL042206.D
Acq: 31 Mar 2025 12:26

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-1-3262025DUP

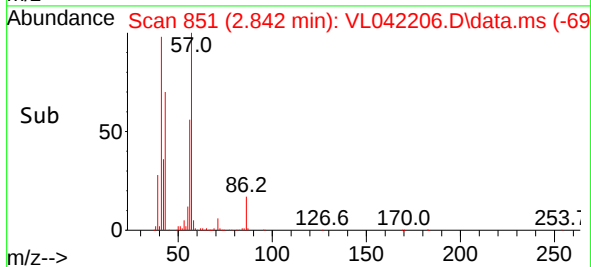
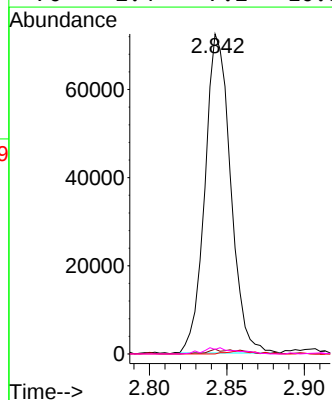
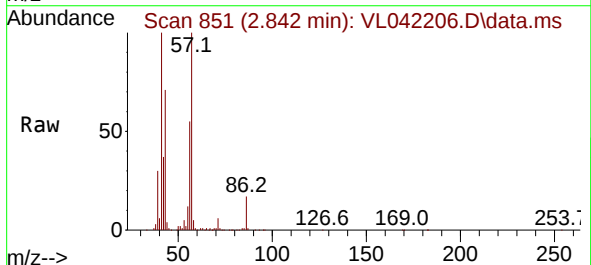


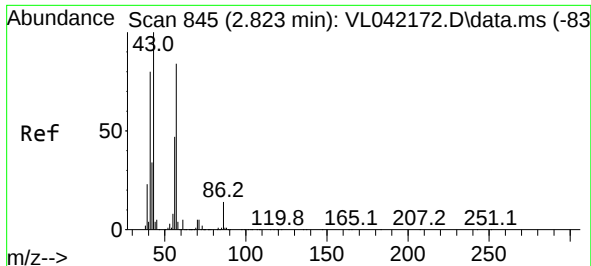
Tgt Ion: 43 Resp: 200866
Ion Ratio Lower Upper
43 100
86 3.5 5.5 8.3#
42 51.0 8.6 13.0#
44 3.1 6.2 9.4#



#25
Ethyl Acetate
Concen: 1.240 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.010 min
Lab File: VL042206.D
Acq: 31 Mar 2025 12:26

Tgt Ion: 43 Resp: 83191
Ion Ratio Lower Upper
43 100
45 2.3 8.2 12.2#
61 1.0 7.3 10.9#
70 2.4 7.2 10.8#

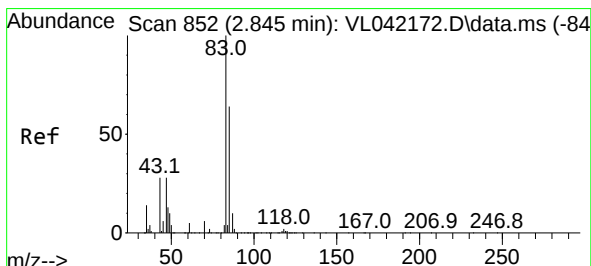
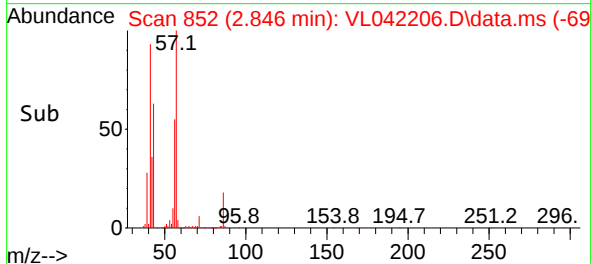
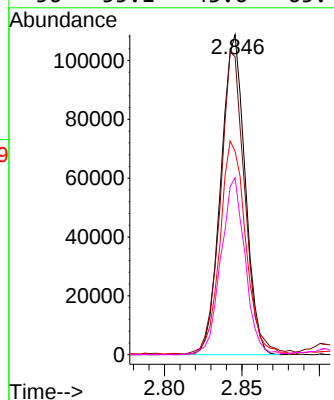
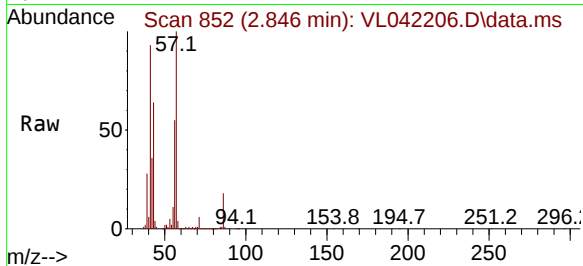




#26
Hexane
Concen: 4.564 ppbv
RT: 2.846 min Scan# 81
Delta R.T. 0.023 min
Lab File: VL042206.D
Acq: 31 Mar 2025 12:26

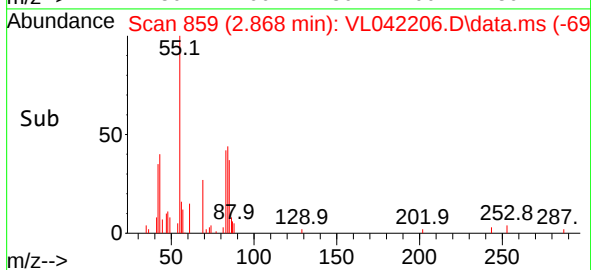
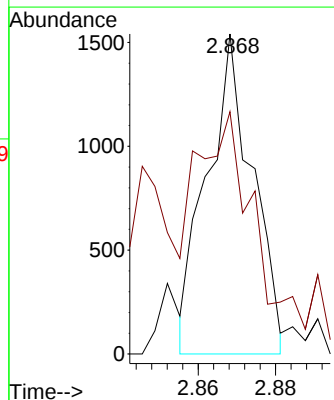
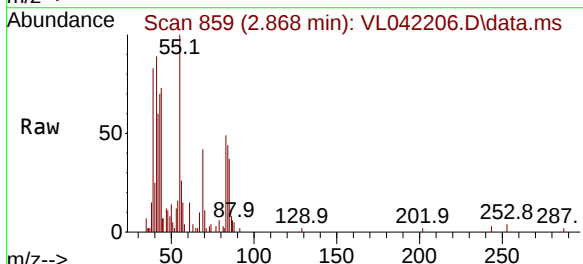
Instrument :
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ClientSampleId :
SSSG-DUP-1-3262025DUP

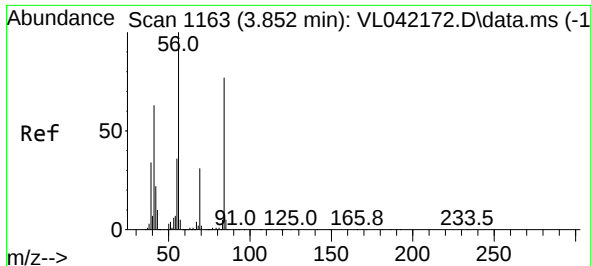
Tgt Ion: 57 Resp: 118243
Ion Ratio Lower Upper
57 100
41 95.8 76.6 114.8
43 70.5 207.8 311.8#
56 55.1 43.6 65.4



#29
Chloroform
Concen: 0.033 ppbv
RT: 2.868 min Scan# 859
Delta R.T. 0.023 min
Lab File: VL042206.D
Acq: 31 Mar 2025 12:26

Tgt Ion: 83 Resp: 1254
Ion Ratio Lower Upper
83 100
85 63.6 51.4 77.2





#30

Cyclohexane

Concen: 1.497 ppbv

RT: 3.881 min Scan# 1163

Delta R.T. 0.029 min

Lab File: VL042206.D

Acq: 31 Mar 2025 12:26

Instrument :

MSVOA_L

ClientSampleId :

SSSG-DUP-1-3262025DUP

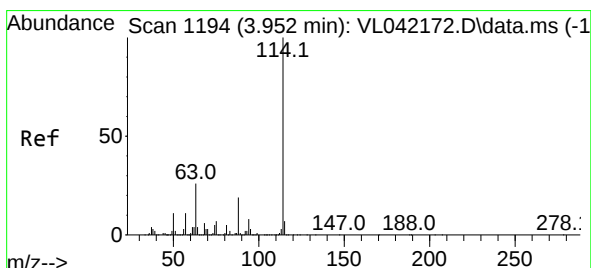
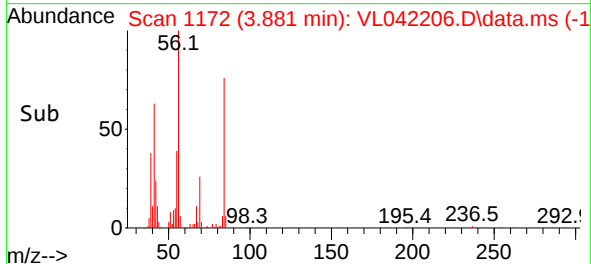
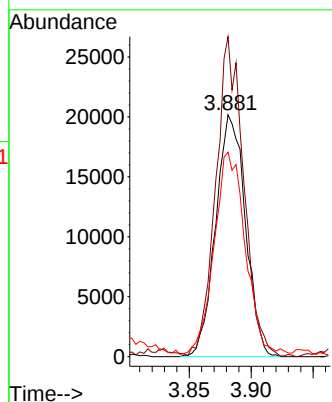
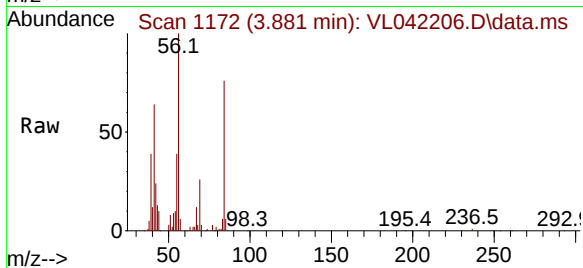
Tgt Ion: 84 Resp: 33679

Ion Ratio Lower Upper

84 100

56 122.5 102.8 154.2

41 89.4 66.5 99.7



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.985 min Scan# 1204

Delta R.T. 0.032 min

Lab File: VL042206.D

Acq: 31 Mar 2025 12:26

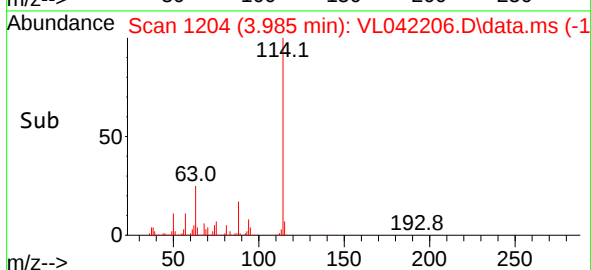
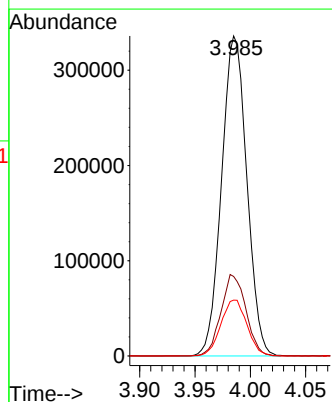
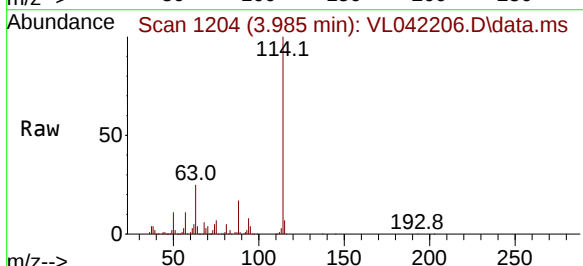
Tgt Ion: 114 Resp: 533717

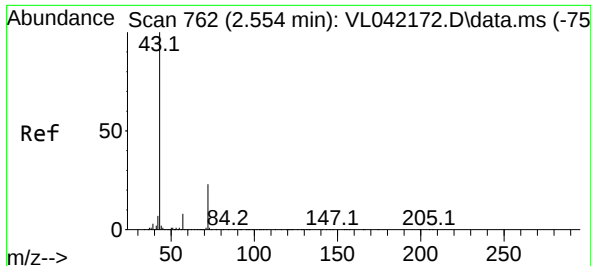
Ion Ratio Lower Upper

114 100

63 25.2 20.7 31.1

88 18.0 15.0 22.4

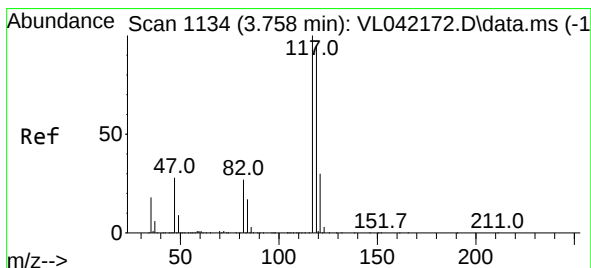
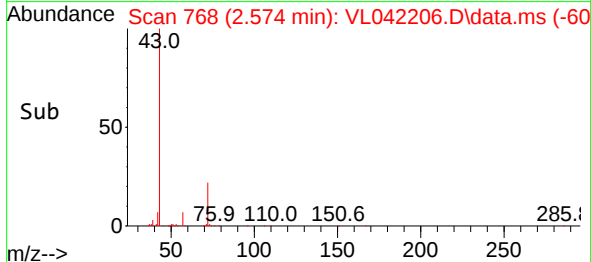
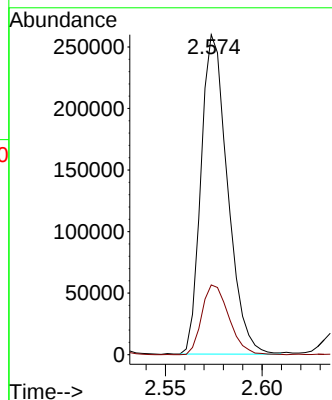
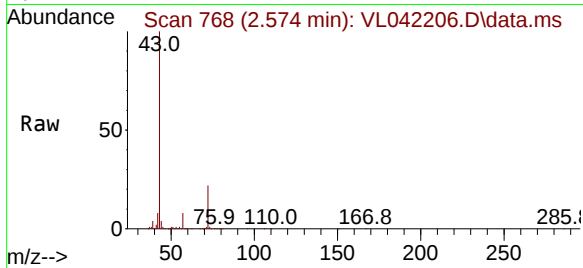




#34
2-Butanone
Concen: 6.413 ppbv
RT: 2.574 min Scan# 71
Delta R.T. 0.020 min
Lab File: VL042206.D
Acq: 31 Mar 2025 12:26

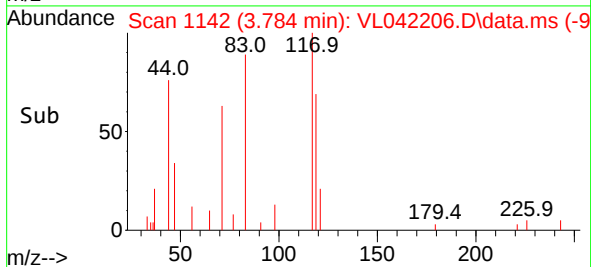
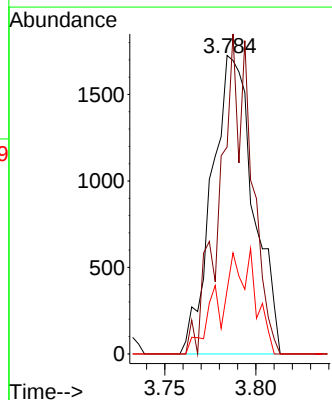
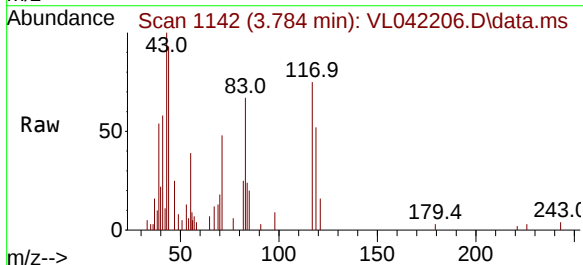
Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-1-3262025DUP

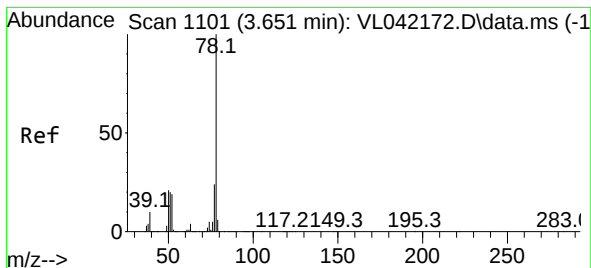
Tgt Ion: 43 Resp: 248177
Ion Ratio Lower Upper
43 100
72 22.3 18.2 27.2



#35
Carbon Tetrachloride
Concen: 0.066 ppbv
RT: 3.784 min Scan# 1142
Delta R.T. 0.026 min
Lab File: VL042206.D
Acq: 31 Mar 2025 12:26

Tgt Ion: 117 Resp: 2736
Ion Ratio Lower Upper
117 100
119 69.3 76.2 114.2#
121 21.4 24.2 36.4#





#36

Benzene

Concen: 5.842 ppbv

RT: 3.681 min Scan# 1101

Delta R.T. 0.029 min

Lab File: VL042206.D

Acq: 31 Mar 2025 12:26

Instrument :

MSVOA_L

ClientSampleId :

SSSG-DUP-1-3262025DUP

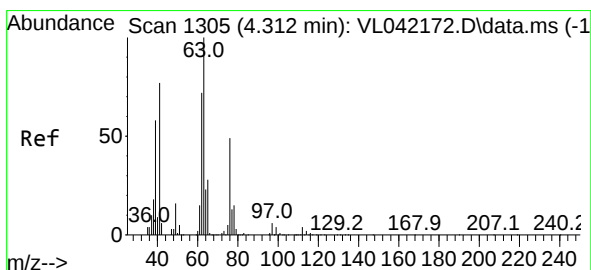
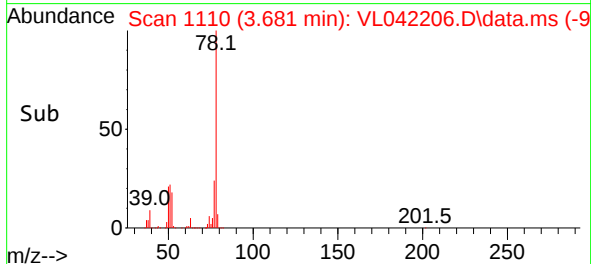
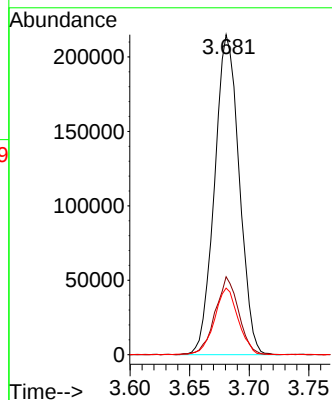
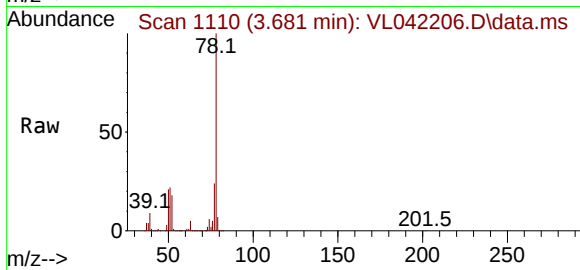
Tgt Ion: 78 Resp: 309110

Ion Ratio Lower Upper

78 100

77 24.3 19.1 28.7

50 20.8 16.6 24.8



#39

1,2-Dichloropropane

Concen: 6.928 ppbv

RT: 3.982 min Scan# 1203

Delta R.T. -0.330 min

Lab File: VL042206.D

Acq: 31 Mar 2025 12:26

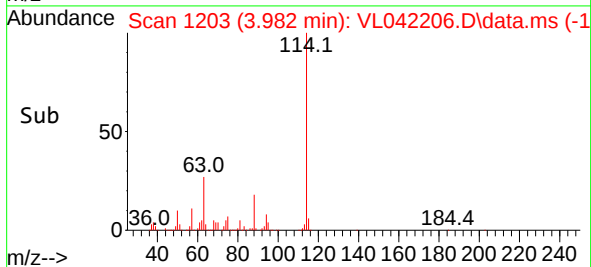
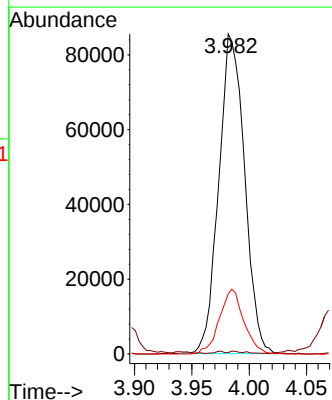
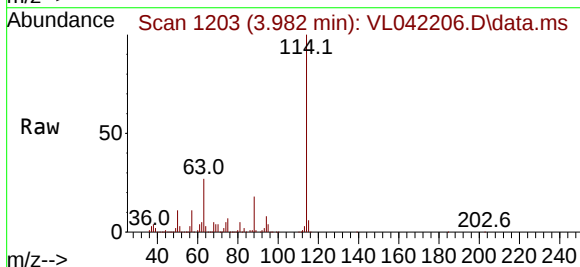
Tgt Ion: 63 Resp: 133506

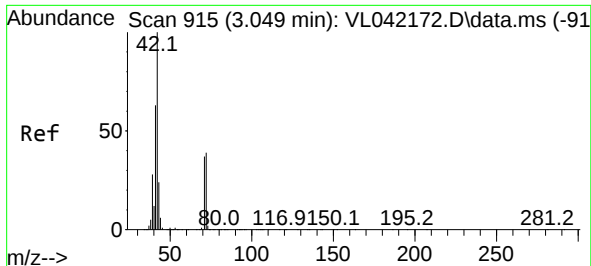
Ion Ratio Lower Upper

63 100

41 0.0 61.7 92.5#

62 18.7 57.6 86.4#

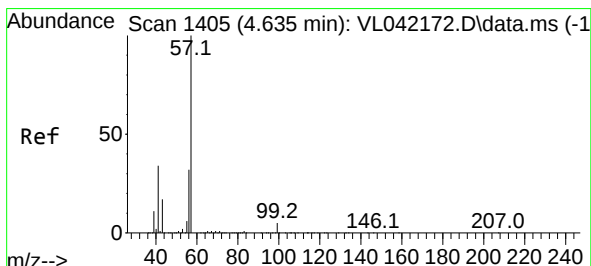
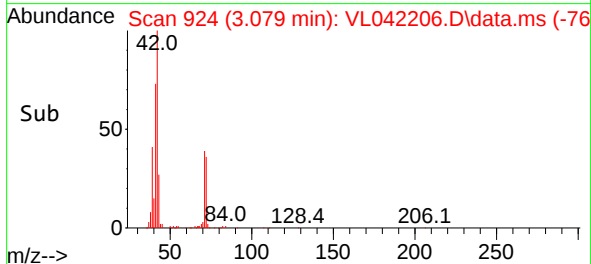
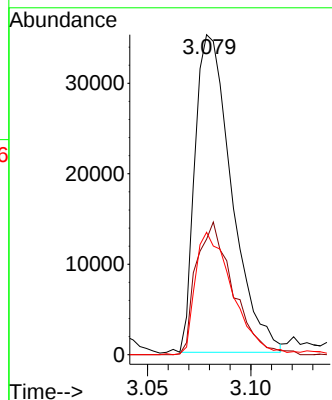
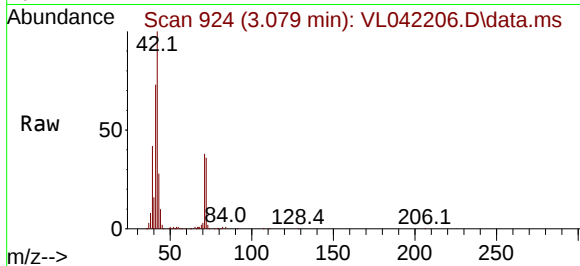




#41
Tetrahydrofuran
Concen: 1.948 ppbv
RT: 3.079 min Scan# 915
Delta R.T. 0.029 min
Lab File: VL042206.D
Acq: 31 Mar 2025 12:26

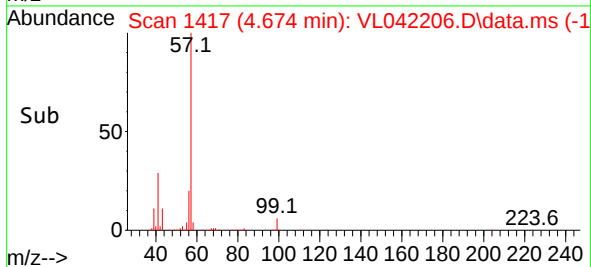
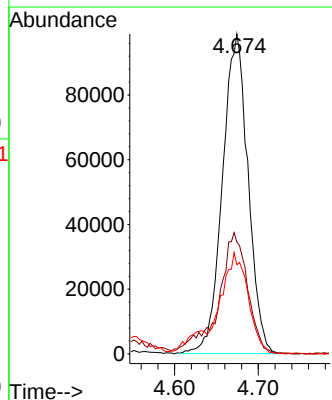
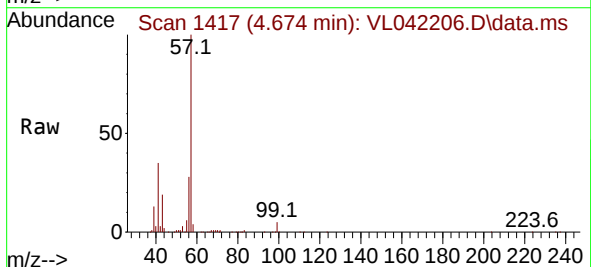
Instrument :
MSVOA_1
ClientSampleId :
SSSG-DUP-1-3262025DUP

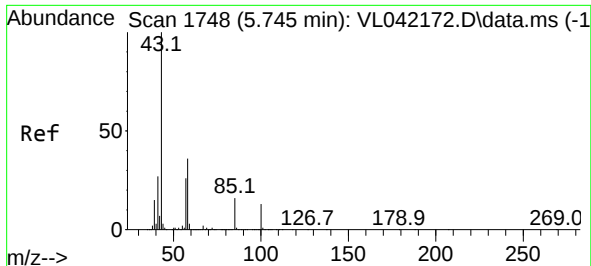
Tgt Ion: 42 Resp: 43424
Ion Ratio Lower Upper
42 100
72 42.0 31.4 47.0
71 39.9 30.2 45.4



#44
2,2,4-Trimethylpentane
Concen: 2.346 ppbv
RT: 4.674 min Scan# 1417
Delta R.T. 0.039 min
Lab File: VL042206.D
Acq: 31 Mar 2025 12:26

Tgt Ion: 57 Resp: 209735
Ion Ratio Lower Upper
57 100
41 43.9 26.8 40.2#
56 38.4 25.6 38.4#

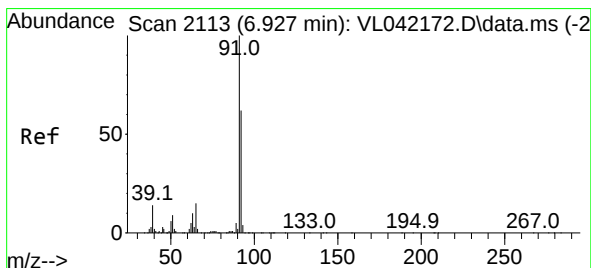
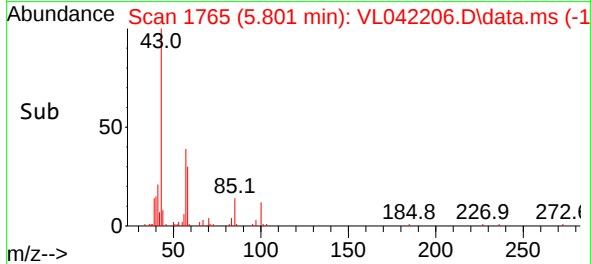
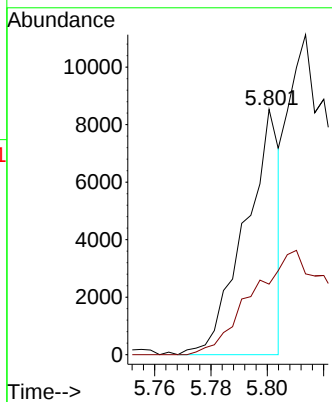
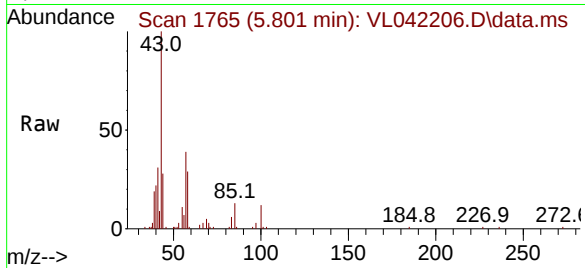




#50
4-Methyl-2-Pentanone
Concen: 0.119 ppbv
RT: 5.801 min Scan# 11
Delta R.T. 0.055 min
Lab File: VL042206.D
Acq: 31 Mar 2025 12:26

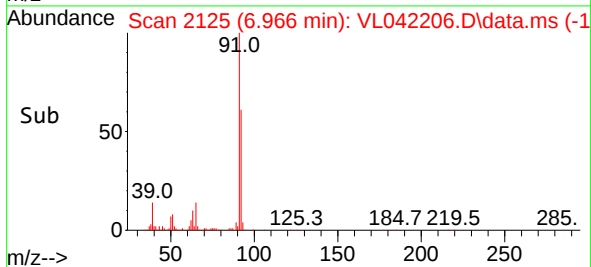
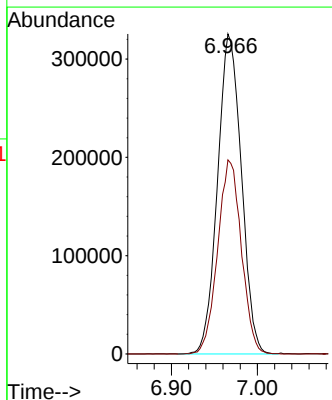
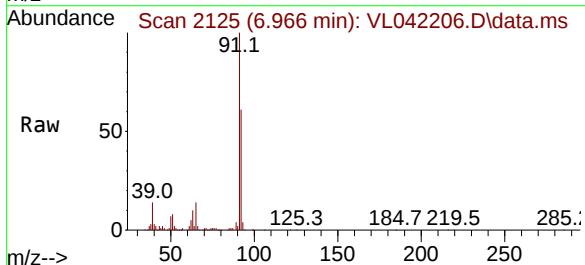
Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-1-3262025DUP

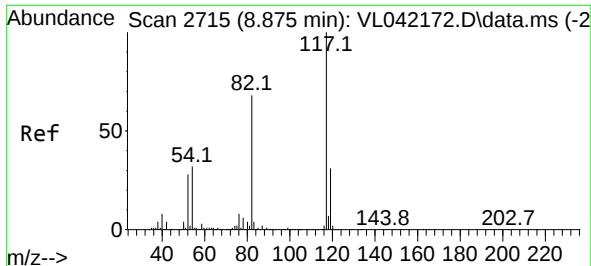
Tgt Ion: 43 Resp: 7281
Ion Ratio Lower Upper
43 100
58 0.0 29.0 43.6#



#53
Toluene
Concen: 9.980 ppbv
RT: 6.966 min Scan# 2125
Delta R.T. 0.039 min
Lab File: VL042206.D
Acq: 31 Mar 2025 12:26

Tgt Ion: 91 Resp: 625978
Ion Ratio Lower Upper
91 100
92 60.3 48.4 72.6

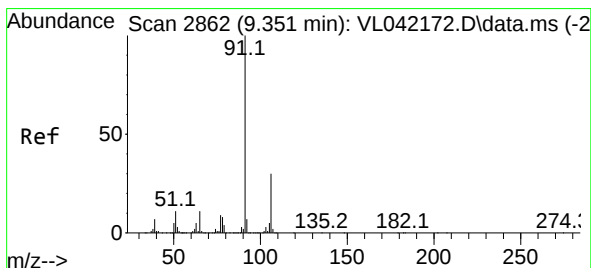
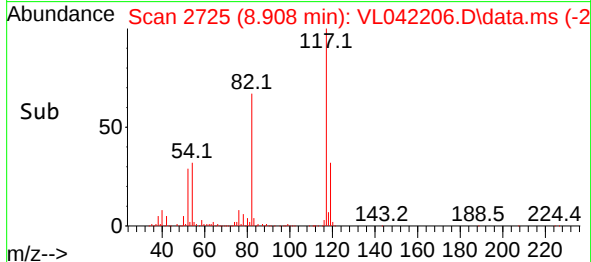
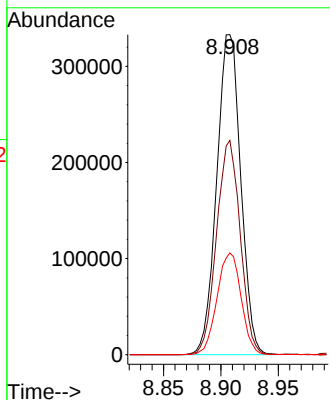
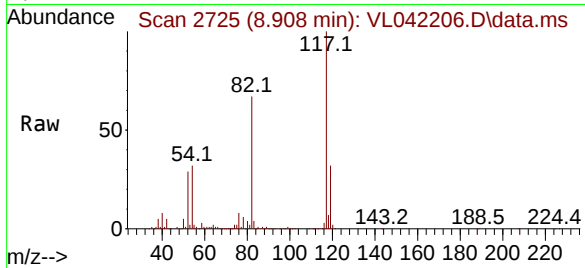




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.908 min Scan# 21
Delta R.T. 0.032 min
Lab File: VL042206.D
Acq: 31 Mar 2025 12:26

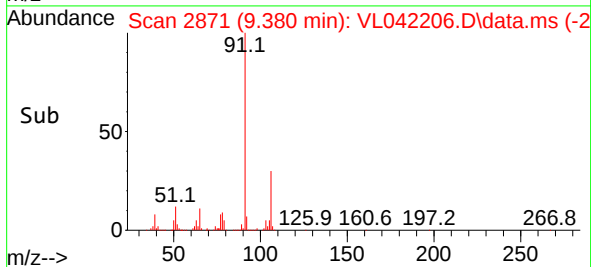
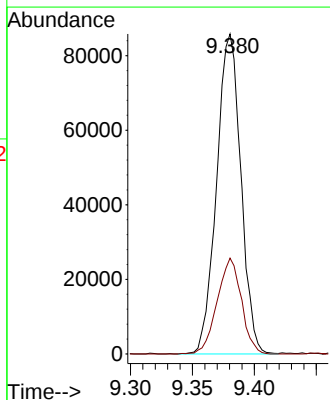
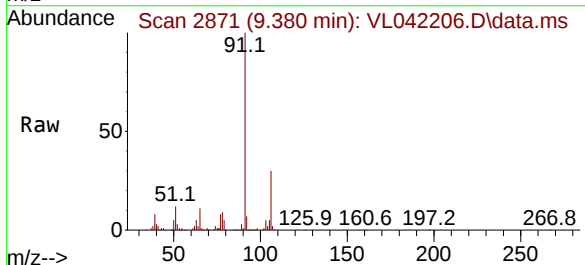
Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-1-3262025DUP

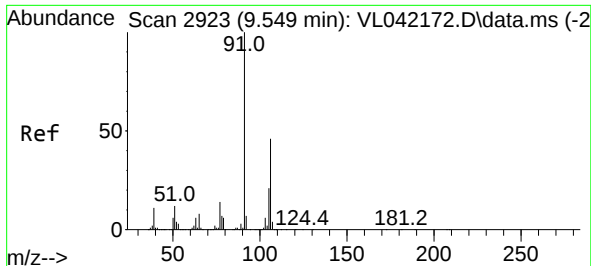
Tgt Ion: 117 Resp: 486289
Ion Ratio Lower Upper
117 100
82 65.8 55.8 83.6
119 31.9 25.5 38.3



#58
Ethyl Benzene
Concen: 1.357 ppbv
RT: 9.380 min Scan# 2871
Delta R.T. 0.029 min
Lab File: VL042206.D
Acq: 31 Mar 2025 12:26

Tgt Ion: 91 Resp: 117204
Ion Ratio Lower Upper
91 100
106 30.0 24.2 36.2





#59

m/p-Xylene

Concen: 5.119 ppbv

RT: 9.555 min Scan# 2923

Delta R.T. 0.007 min

Lab File: VL042206.D

Acq: 31 Mar 2025 12:26

Instrument :

MSVOA_L

ClientSampleId :

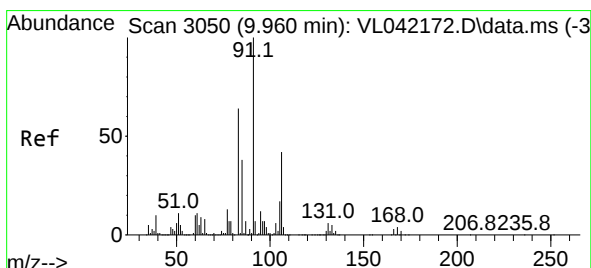
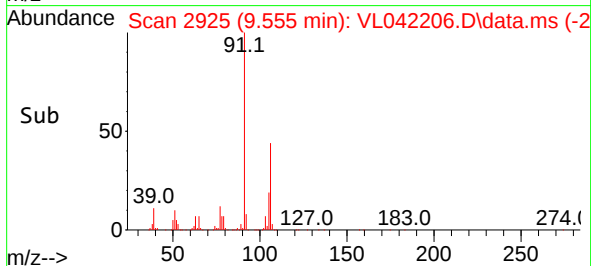
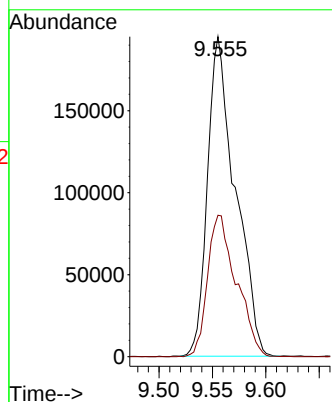
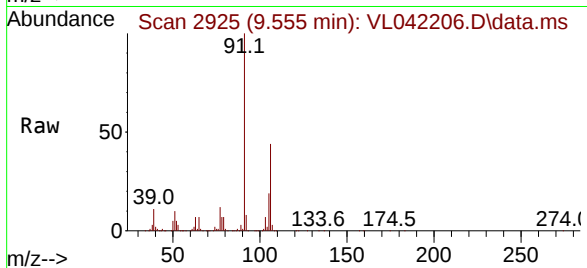
SSSG-DUP-1-3262025DUP

Tgt Ion: 91 Resp: 353075

Ion Ratio Lower Upper

91 100

106 45.9 36.4 54.6



#60

o-Xylene

Concen: 1.908 ppbv

RT: 9.989 min Scan# 3059

Delta R.T. 0.029 min

Lab File: VL042206.D

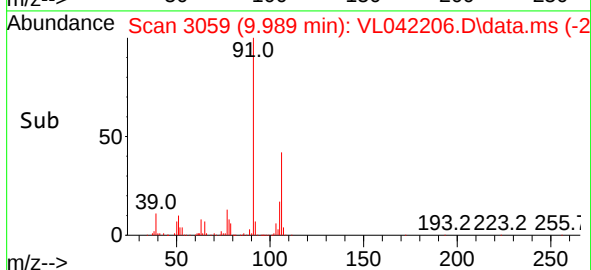
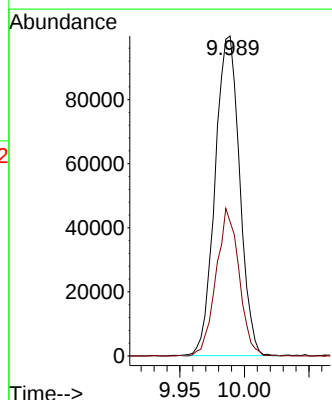
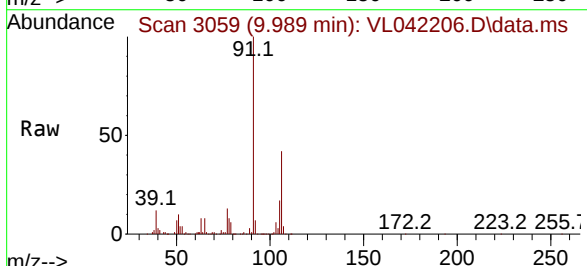
Acq: 31 Mar 2025 12:26

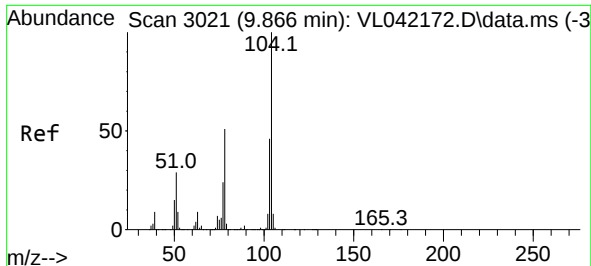
Tgt Ion: 91 Resp: 131916

Ion Ratio Lower Upper

91 100

106 43.2 20.8 62.5





#61

Styrene

Concen: 1.398 ppbv

RT: 9.892 min Scan# 3021

Delta R.T. 0.026 min

Lab File: VL042206.D

Acq: 31 Mar 2025 12:26

Instrument :

MSVOA_L

ClientSampleId :

SSSG-DUP-1-3262025DUP

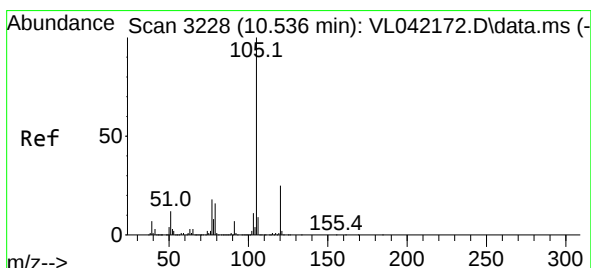
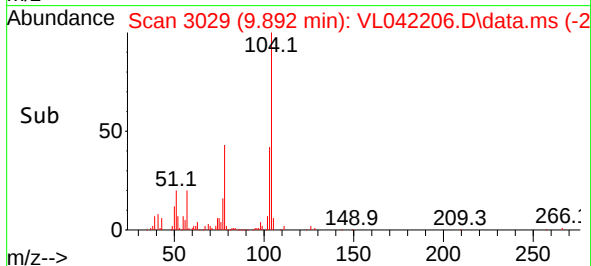
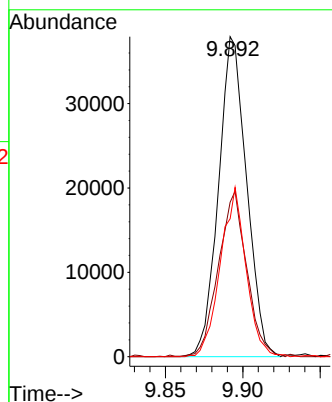
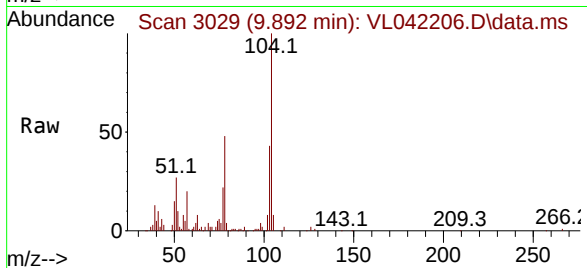
Tgt Ion:104 Resp: 47838

Ion Ratio Lower Upper

104 100

78 52.6 41.8 62.6

103 48.6 37.0 55.4



#62

Isopropylbenzene

Concen: 0.080 ppbv

RT: 10.558 min Scan# 3235

Delta R.T. 0.023 min

Lab File: VL042206.D

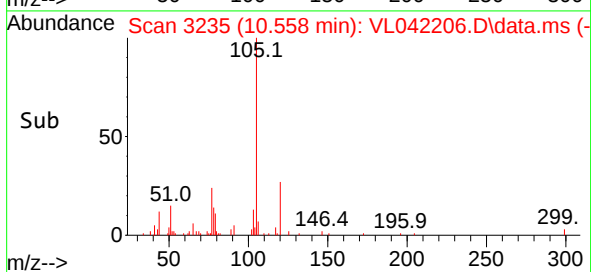
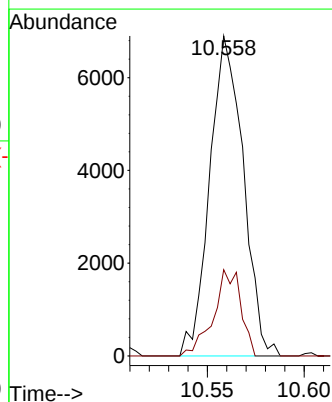
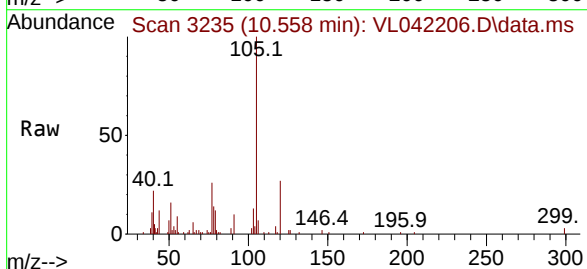
Acq: 31 Mar 2025 12:26

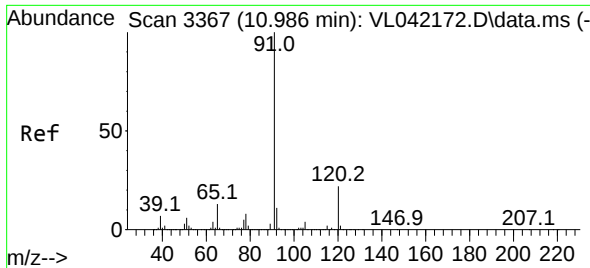
Tgt Ion:105 Resp: 8304

Ion Ratio Lower Upper

105 100

120 22.0 19.9 29.9

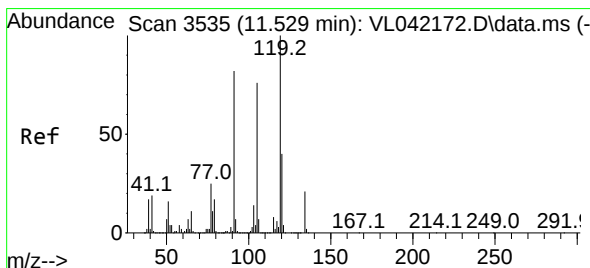
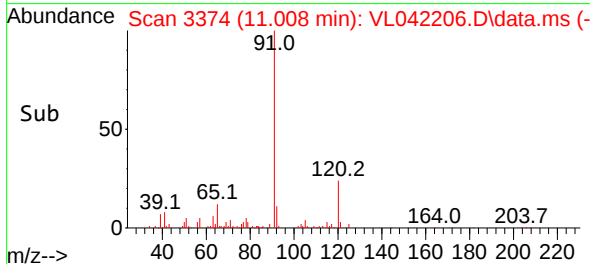
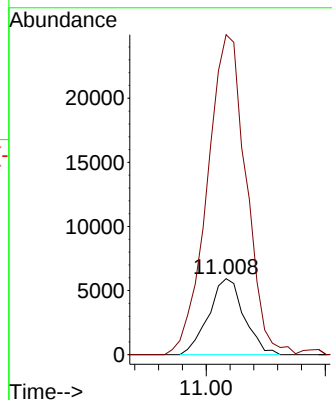
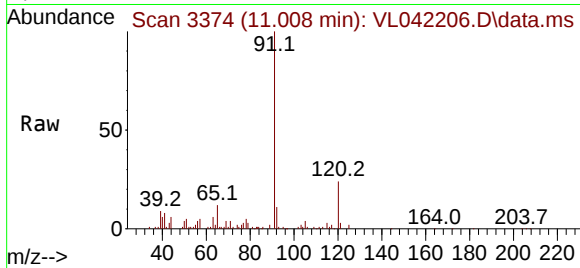




#64
n-propylbenzene
Concen: 0.229 ppbv
RT: 11.008 min Scan# 31
Delta R.T. 0.023 min
Lab File: VL042206.D
Acq: 31 Mar 2025 12:26

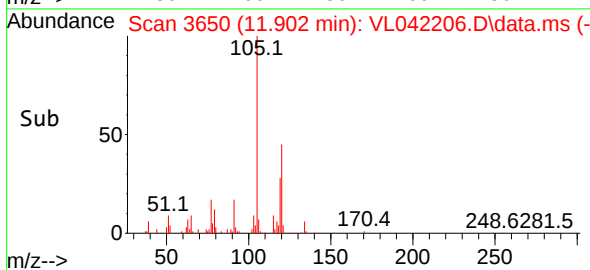
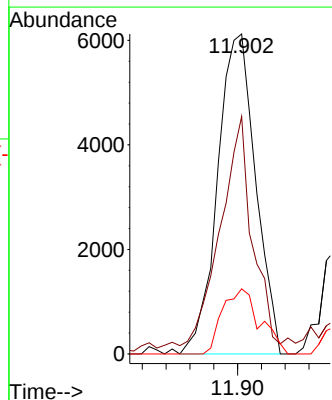
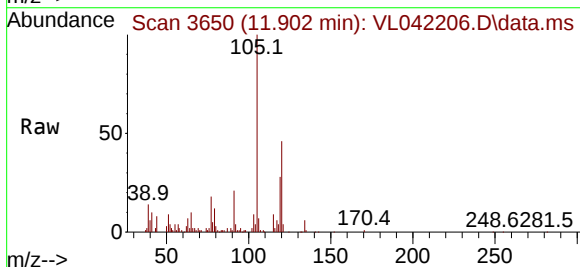
Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-1-3262025DUP

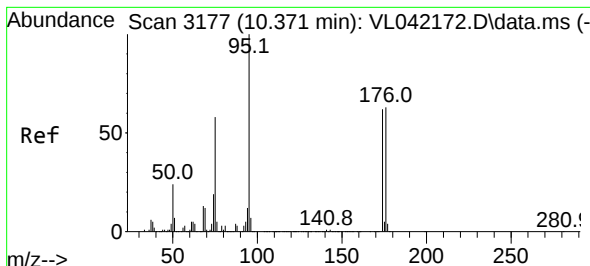
Tgt Ion:120 Resp: 6104
Ion Ratio Lower Upper
120 100
91 469.0 376.9 565.3



#65
tert-Butylbenzene
Concen: 0.071 ppbv
RT: 11.902 min Scan# 3650
Delta R.T. 0.372 min
Lab File: VL042206.D
Acq: 31 Mar 2025 12:26

Tgt Ion:119 Resp: 6784
Ion Ratio Lower Upper
119 100
91 70.1 66.0 99.0
134 20.0 16.7 25.1





#68

1-Bromo-4-Fluorobenzene

Concen: 9.852 ppbv

RT: 10.397 min Scan# 3177

Delta R.T. 0.026 min

Lab File: VL042206.D

Acq: 31 Mar 2025 12:26

Instrument :

MSVOA_L

ClientSampleId :

SSSG-DUP-1-3262025DUP

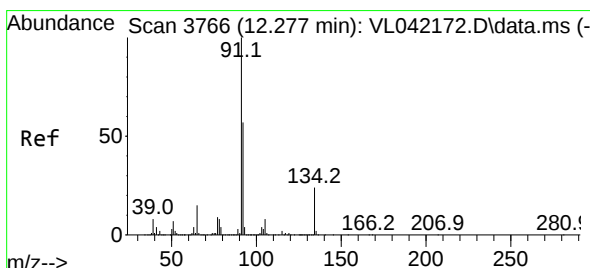
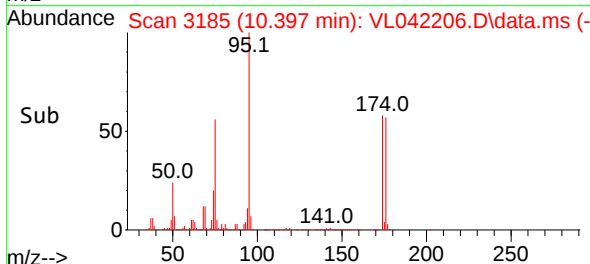
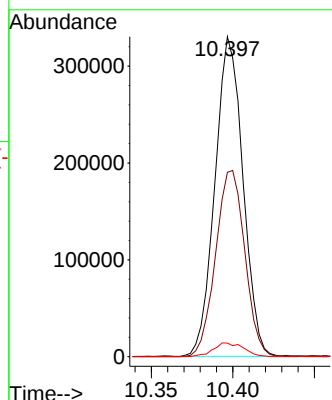
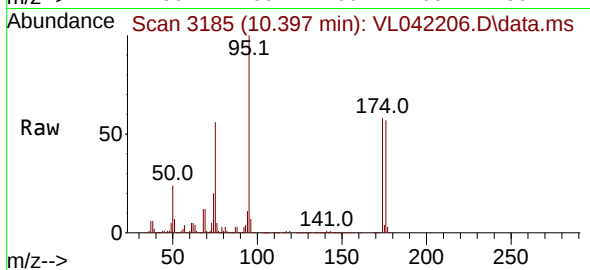
Tgt Ion: 95 Resp: 393432

Ion Ratio Lower Upper

95 100

174 60.9 50.6 76.0

175 4.7 3.8 5.6



#70

n-Butylbenzene

Concen: 0.072 ppbv

RT: 12.303 min Scan# 3774

Delta R.T. 0.026 min

Lab File: VL042206.D

Acq: 31 Mar 2025 12:26

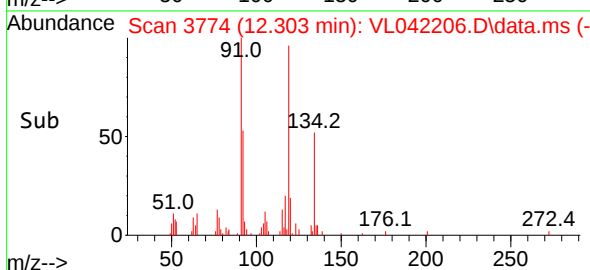
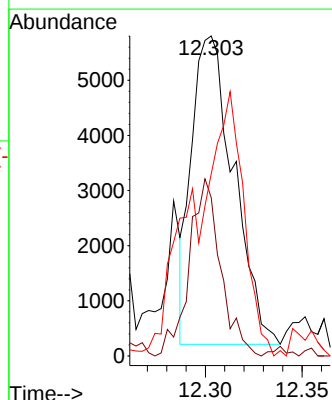
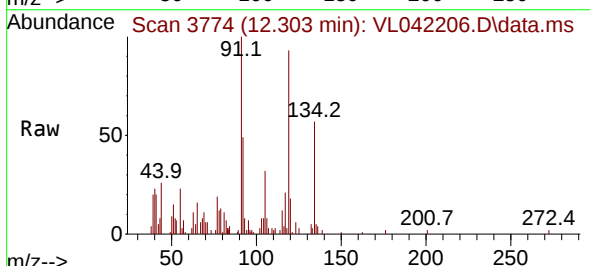
Tgt Ion: 91 Resp: 8458

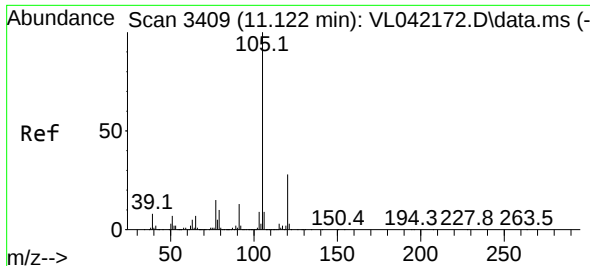
Ion Ratio Lower Upper

91 100

92 41.3 44.9 67.3#

134 106.0 19.2 28.8#

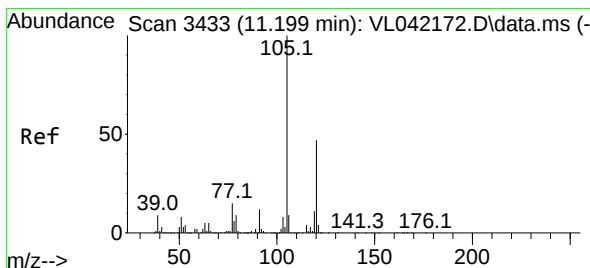
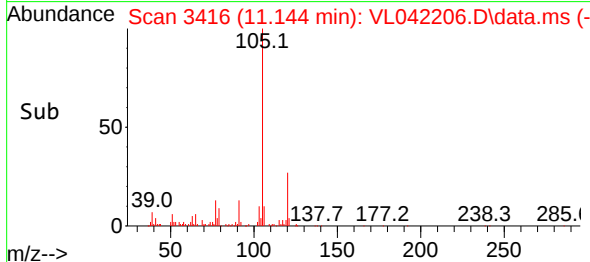
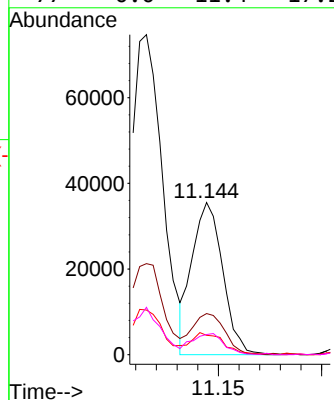
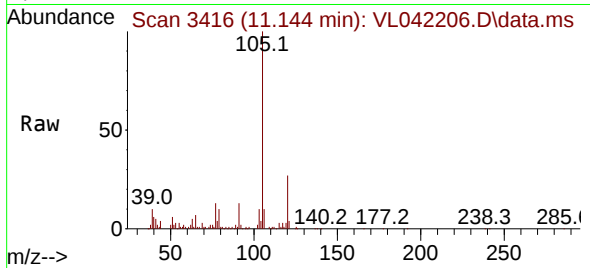




#72
4-Ethyltoluene
Concen: 0.429 ppbv
RT: 11.144 min Scan# 3416
Delta R.T. 0.023 min
Lab File: VL042206.D
Acq: 31 Mar 2025 12:26

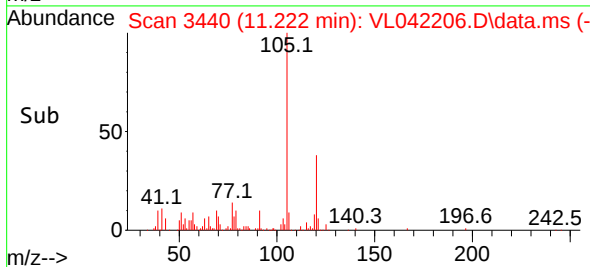
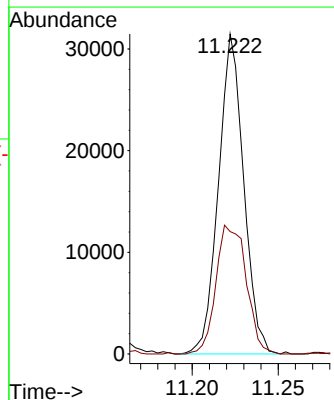
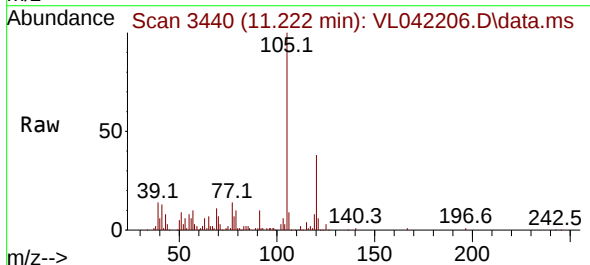
Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-1-3262025DUP

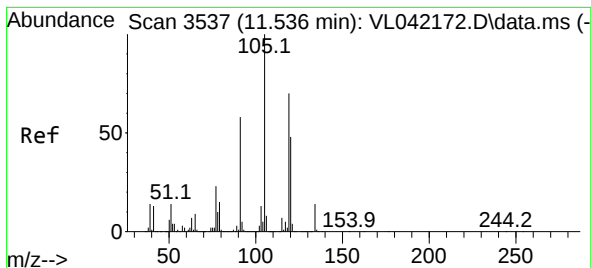
Tgt Ion:	105	Resp:	36900
Ion Ratio	Lower	Upper	
105	100		
120	0.0	23.4	35.0#
91	0.0	10.3	15.5#
77	0.0	11.4	17.2#



#73
1,3,5-Trimethylbenzene
Concen: 0.427 ppbv
RT: 11.222 min Scan# 3440
Delta R.T. 0.023 min
Lab File: VL042206.D
Acq: 31 Mar 2025 12:26

Tgt Ion:	105	Resp:	32118
Ion Ratio	Lower	Upper	
105	100		
120	38.2	37.4	56.0





#74

1,2,4-Trimethylbenzene

Concen: 1.336 ppbv

RT: 11.552 min Scan# 31

Delta R.T. 0.016 min

Lab File: VL042206.D

Acq: 31 Mar 2025 12:26

Instrument :

MSVOA_L

ClientSampleId :

SSSG-DUP-1-3262025DUP

Tgt Ion:105 Resp: 115741

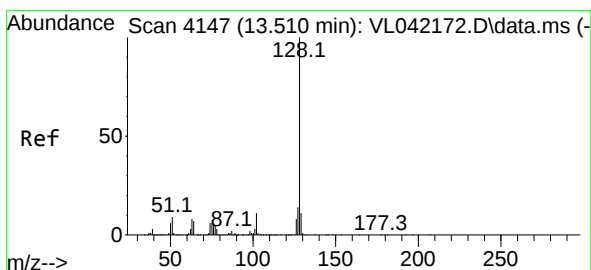
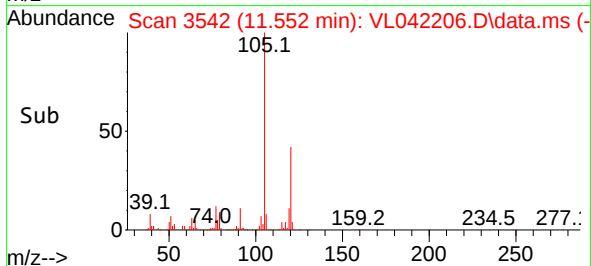
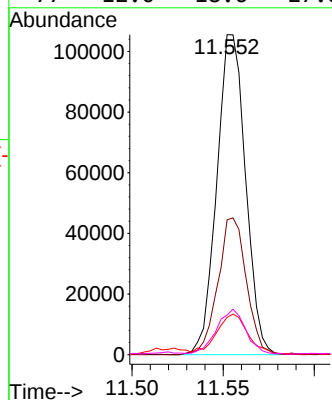
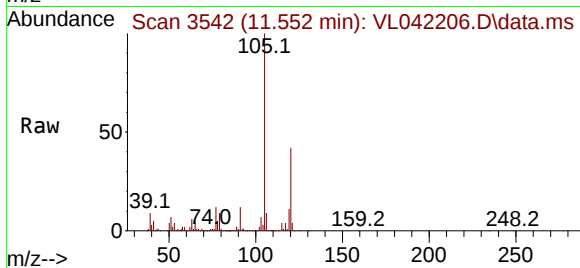
Ion Ratio Lower Upper

105 100

120 42.1 38.6 58.0

91 11.2 46.2 69.2#

77 12.0 18.6 27.8#



#79

Naphthalene

Concen: 0.366 ppbv

RT: 13.530 min Scan# 4153

Delta R.T. 0.020 min

Lab File: VL042206.D

Acq: 31 Mar 2025 12:26

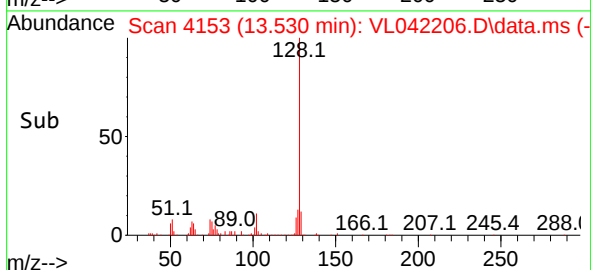
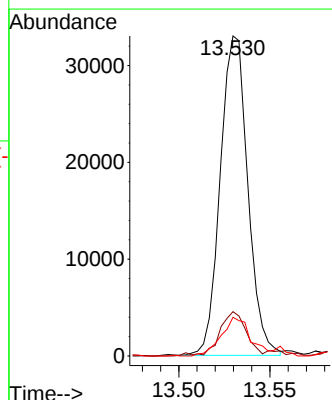
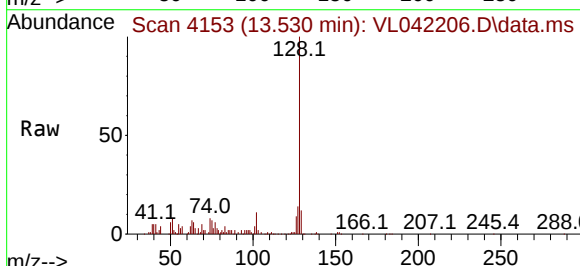
Tgt Ion:128 Resp: 34692

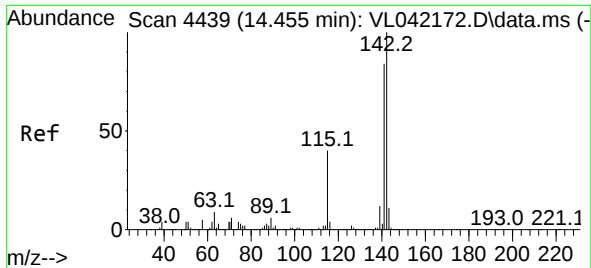
Ion Ratio Lower Upper

128 100

127 13.6 10.8 16.2

129 12.1 9.0 13.4





#80

Naphthalene, 2-methyl-

Concen: 0.139 ppbv

RT: 14.604 min Scan# 44

Delta R.T. 0.149 min

Lab File: VL042206.D

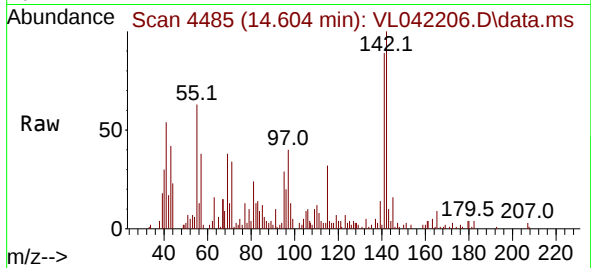
Acq: 31 Mar 2025 12:26

Instrument :

MSVOA_L

ClientSampleId :

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Tgt Ion:142 Resp: 6448

Ion Ratio Lower Upper

142 100

141 90.1 66.3 99.5

115 45.2 31.6 47.4

