

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080124\
 Data File : VL041486.D
 Acq On : 1 Aug 2024 20:35
 Operator : SY/MD
 Sample : P3445-04DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 2ND-FLOORDUP

Quant Time: Aug 02 04:14:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Aug 02 03:13:29 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	960502	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2498489	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2322869	10.000	ppbv	# 0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	1834844	10.264	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.735	85	34650	0.210	ppbv	96
3) Chlorodifluoromethane	2.681	51	1873172	16.382	ppbv	97
4) Chloromethane	2.816	50	74466	1.224	ppbv	99
9) Propene	2.877	41	3410100	64.921	ppbv	98
10) Heptane	7.581	43	80995	0.686	ppbv	91
11) Trichlorofluoromethane	3.568	101	34222	0.233	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.067	101	4299	0.041	ppbv #	25
13) Ethanol	3.263	45	12767040	2719.444	ppbv	89
15) Acetone	3.468	43	6554181	60.057	ppbv	96
16) 1,3-Butadiene	2.970	39	37480	0.643	ppbv #	30
17) tert-Butyl alcohol	3.906	59	78034	0.784	ppbv	99
19) Isopropyl Alcohol	3.600	45	11483514	179.987	ppbv #	96
20) Methylene Chloride	3.938	84	1067078	26.221	ppbv	97
21) Allyl Chloride	3.935	41	45773	0.640	ppbv #	30
23) Vinyl Acetate	4.620	43	200585	2.407	ppbv #	48
25) Ethyl Acetate	5.211	43	923642	4.260	ppbv #	96
26) Hexane	5.214	57	563601	6.267	ppbv #	73
27) Carbon Disulfide	4.131	76	7295	0.069	ppbv #	53
29) Chloroform	5.279	83	220867	1.506	ppbv	94
30) Cyclohexane	6.610	84	6445	0.088	ppbv #	1
31) cis-1,2-Dichloroethene	5.205	61	67459	0.759	ppbv #	25
34) 2-Butanone	4.790	43	280517	2.321	ppbv	100
36) Benzene	6.372	78	80670	0.442	ppbv #	94
37) 1,2-Dichloroethane	5.809	62	10451	0.102	ppbv #	96
39) 1,2-Dichloropropane	6.655	63	626245	8.960	ppbv #	25
41) Tetrahydrofuran	5.552	42	16963	0.245	ppbv #	81
44) 2,2,4-Trimethylpentane	7.330	57	453627	1.488	ppbv	91
51) 2-Hexanone	9.549	43	10113	0.070	ppbv #	30
53) Toluene	9.221	91	963539	4.738	ppbv	99
58) Ethyl Benzene	12.092	91	90205	0.337	ppbv	93
59) m/p-Xylene	12.349	91	188920	0.817	ppbv	94
60) o-Xylene	13.057	91	74054	0.339	ppbv	98
61) Styrene	12.899	104	15106	0.153	ppbv #	29
64) n-propylbenzene	14.918	120	3882	0.045	ppbv #	1
66) Benzyl Chloride	16.330	91	1287	0.067	ppbv #	1
69) p-Isopropyltoluene	16.995	119	920377	2.682	ppbv	99
70) n-Butylbenzene	18.043	91	1242833	3.532	ppbv #	79
71) 2-Chlorotoluene	14.384	91	90337	0.369	ppbv	67
72) 4-Ethyltoluene	15.195	105	32359	0.126	ppbv #	83
73) 1,3,5-Trimethylbenzene	15.362	105	20628	0.093	ppbv #	76
74) 1,2,4-Trimethylbenzene	16.114	105	53874	0.209	ppbv #	73
76) 1,4-Dichlorobenzene	16.481	146	10247	0.065	ppbv #	13
79) Naphthalene	21.391	128	7744	0.034	ppbv #	72

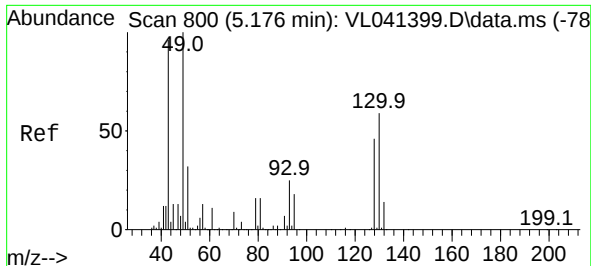
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080124\
Data File : VL041486.D
Acq On : 1 Aug 2024 20:35
Operator : SY/MD
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Quant Time: Aug 02 04:14:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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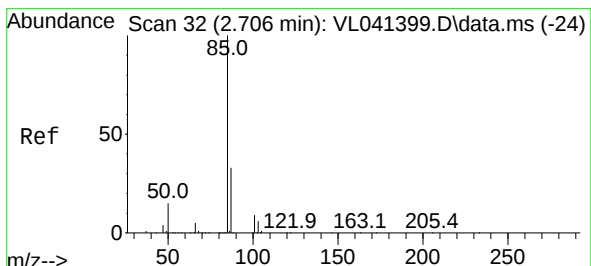
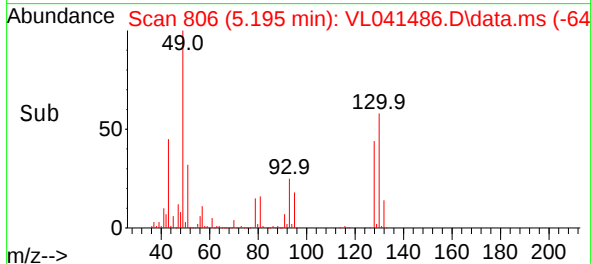
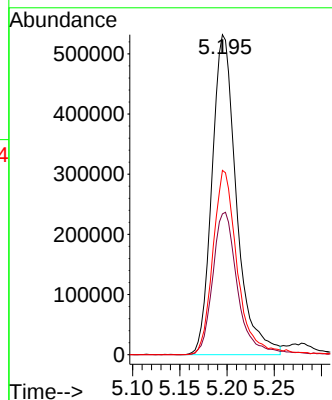
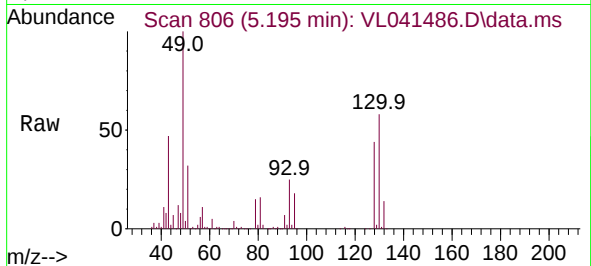
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 80
Delta R.T. 0.006 min
Lab File: VL041486.D
Acq: 1 Aug 2024 20:35

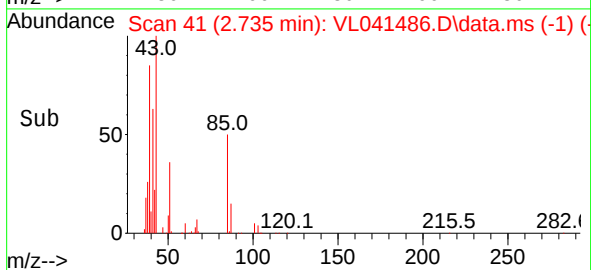
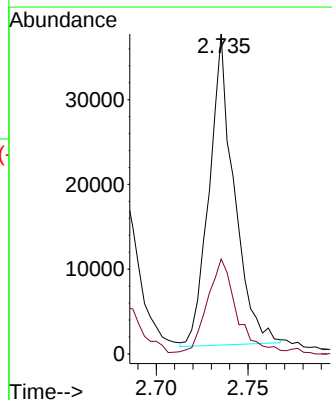
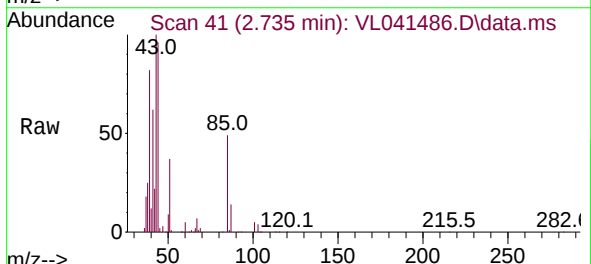
Instrument :
MSVOA_L
ClientSampleId :
2ND-FLOORDUP

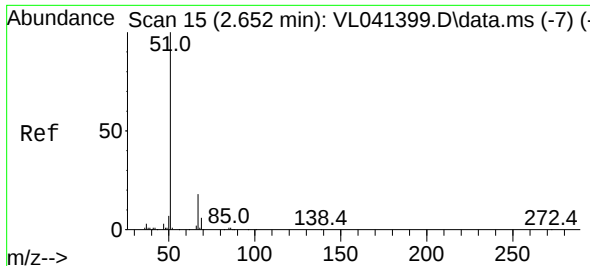
Tgt Ion: 49 Resp: 960502
Ion Ratio Lower Upper
49 100
128 45.8 23.8 71.4
130 58.1 30.8 92.4



#2
Dichlorodifluoromethane
Concen: 0.210 ppbv
RT: 2.735 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL041486.D
Acq: 1 Aug 2024 20:35

Tgt Ion: 85 Resp: 34650
Ion Ratio Lower Upper
85 100
87 30.0 26.0 39.0

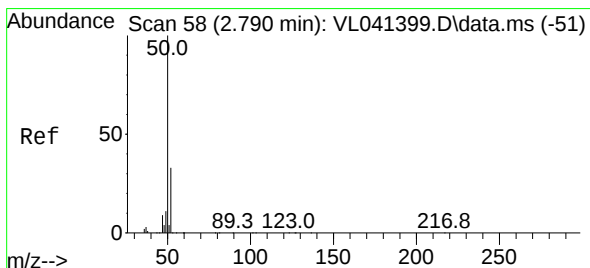
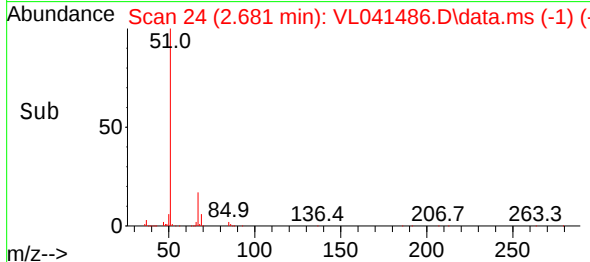
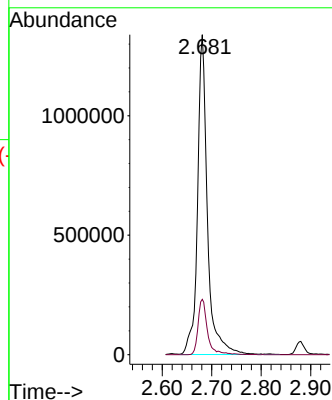
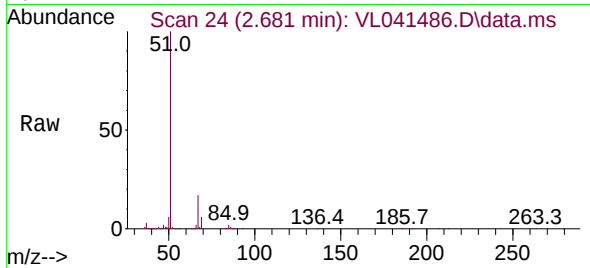




#3
Chlorodifluoromethane
Concen: 16.382 ppbv
RT: 2.681 min Scan# 24
Delta R.T. 0.006 min
Lab File: VL041486.D
Acq: 1 Aug 2024 20:35

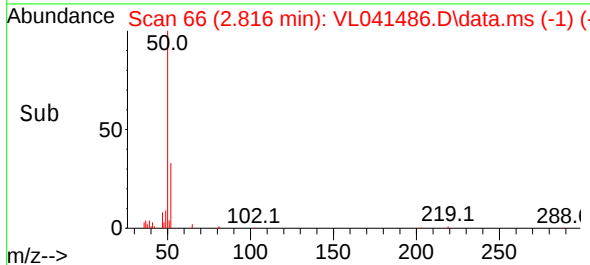
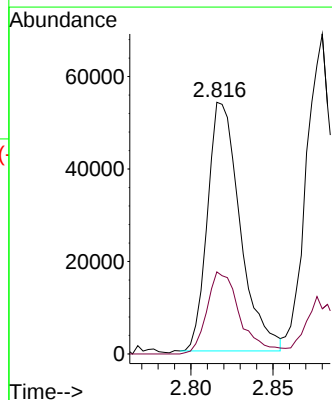
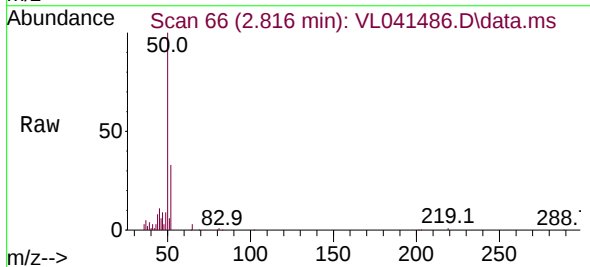
Instrument :
MSVOA_L
ClientSampleId :
2ND-FLOORDUP

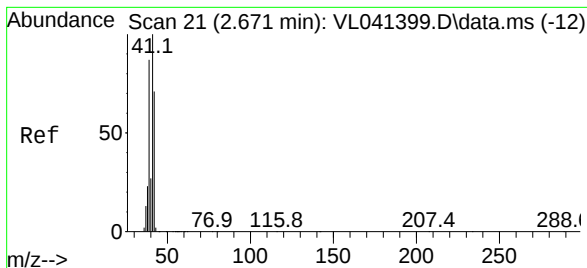
Tgt Ion: 51 Resp: 1873172
Ion Ratio Lower Upper
51 100
67 16.6 14.5 21.7



#4
Chloromethane
Concen: 1.224 ppbv
RT: 2.816 min Scan# 66
Delta R.T. 0.003 min
Lab File: VL041486.D
Acq: 1 Aug 2024 20:35

Tgt Ion: 50 Resp: 74466
Ion Ratio Lower Upper
50 100
52 33.0 26.1 39.1





#9

Propene

Concen: 64.921 ppbv

RT: 2.877 min Scan# 85

Delta R.T. 0.183 min

Lab File: VL041486.D

Acq: 1 Aug 2024 20:35

Instrument :

MSVOA_L

ClientSampleId :

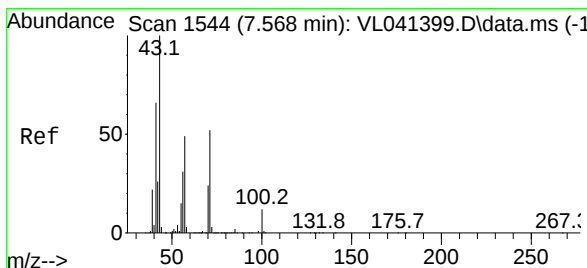
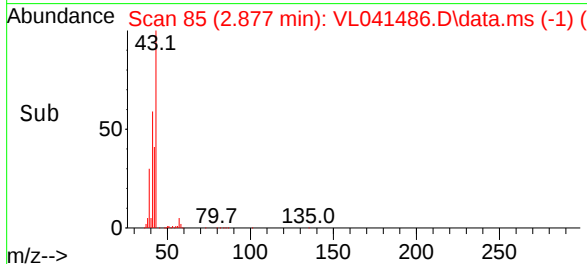
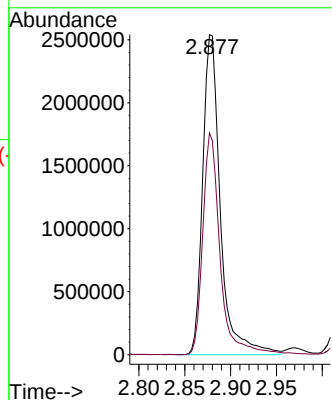
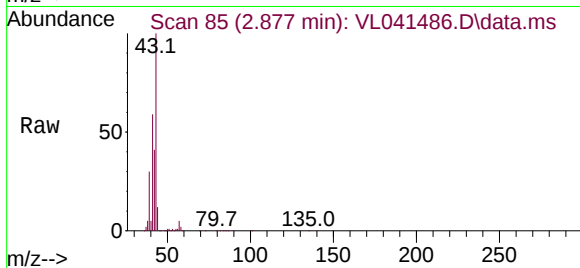
2ND-FLOORDUP

Tgt Ion: 41 Resp: 3410100

Ion Ratio Lower Upper

41 100

42 68.1 55.9 83.9



#10

Heptane

Concen: 0.686 ppbv

RT: 7.581 min Scan# 1548

Delta R.T. 0.003 min

Lab File: VL041486.D

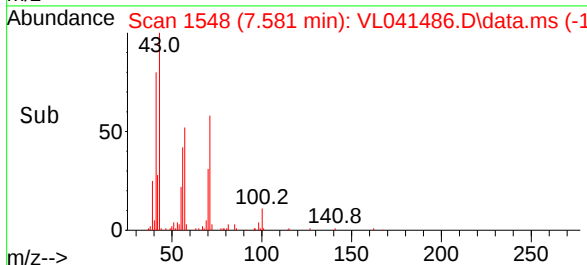
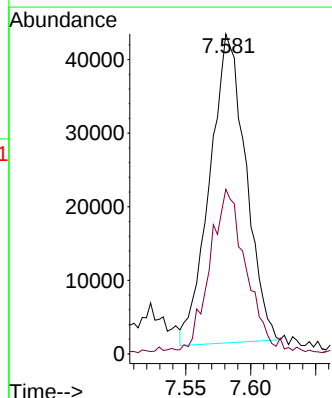
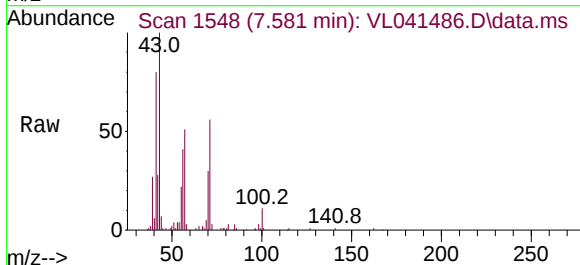
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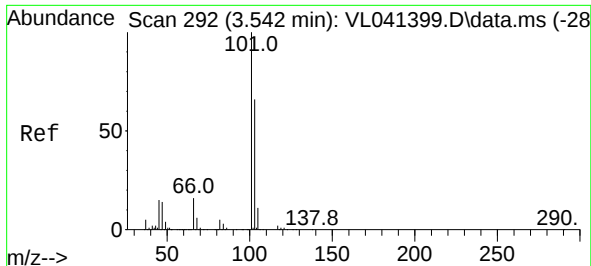
Tgt Ion: 43 Resp: 80995

Ion Ratio Lower Upper

43 100

57 57.1 40.5 60.7





#11

Trichlorofluoromethane

Concen: 0.233 ppbv

RT: 3.568 min Scan# 300

Delta R.T. 0.006 min

Lab File: VL041486.D

Acq: 1 Aug 2024 20:35

Instrument :

MSVOA_L

ClientSampleId :

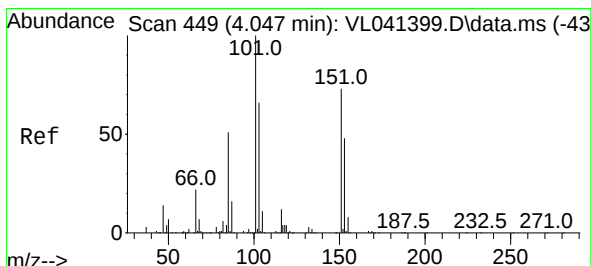
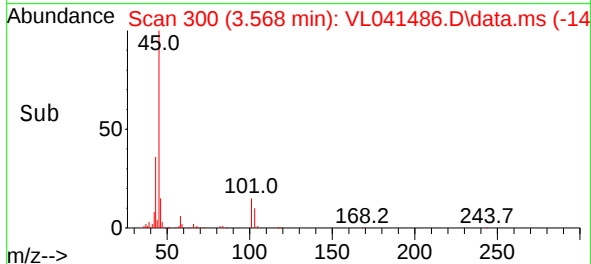
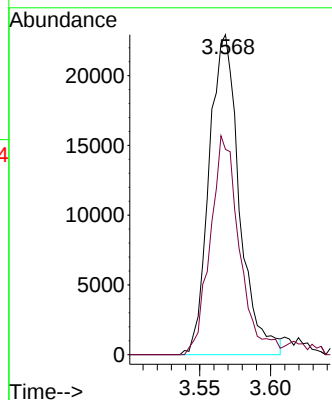
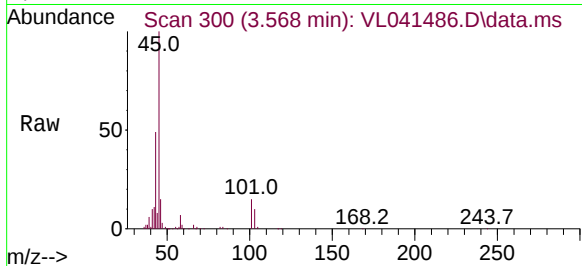
2ND-FLOORDUP

Tgt Ion:101 Resp: 34222

Ion Ratio Lower Upper

101 100

103 64.2 52.6 79.0



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.041 ppbv

RT: 4.067 min Scan# 455

Delta R.T. 0.003 min

Lab File: VL041486.D

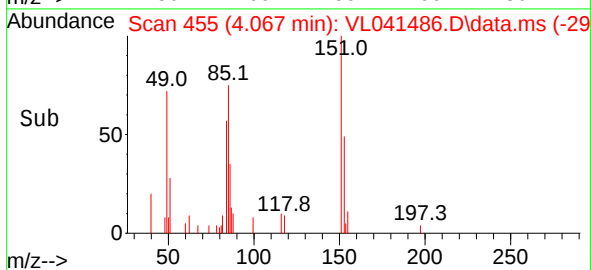
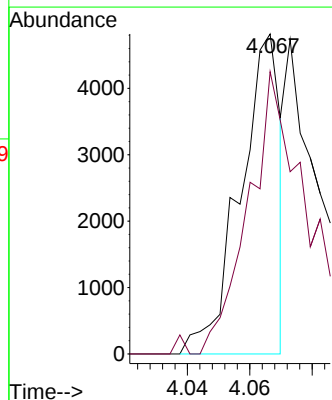
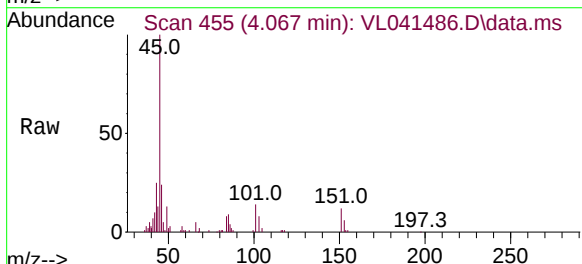
Acq: 1 Aug 2024 20:35

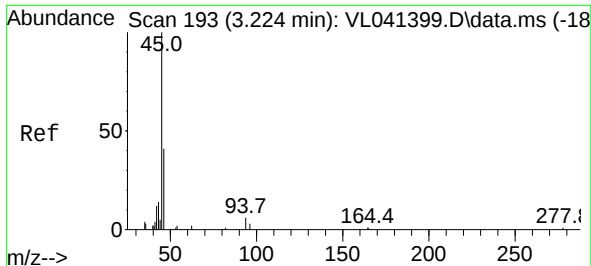
Tgt Ion:101 Resp: 4299

Ion Ratio Lower Upper

101 100

151 137.9 59.4 89.2#





#13

Ethanol

Concen: 2719.444 ppbv

RT: 3.263 min Scan# 205

Delta R.T. 0.016 min

Lab File: VL041486.D

Acq: 1 Aug 2024 20:35

Instrument :

MSVOA_L

ClientSampleId :

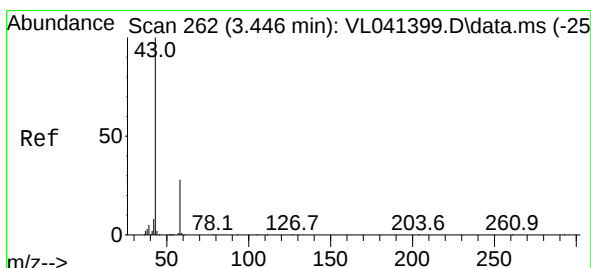
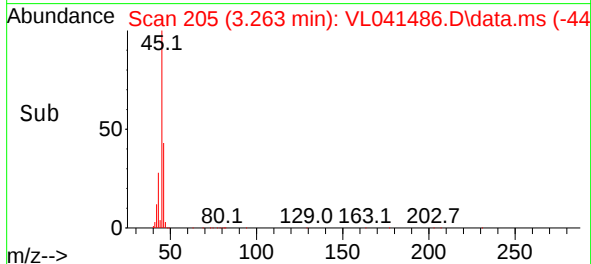
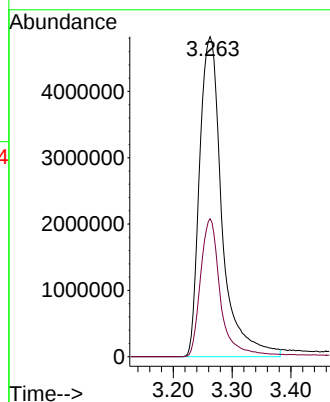
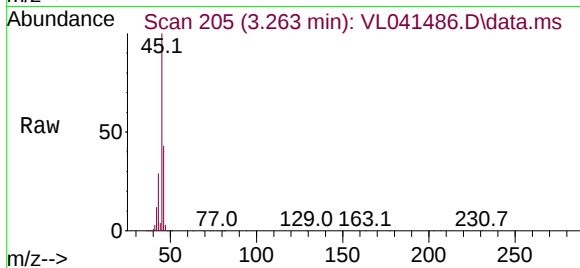
2ND-FLOORDUP

Tgt Ion: 45 Resp:12767040

Ion Ratio Lower Upper

45 100

46 39.8 13.4 53.4



#15

Acetone

Concen: 60.057 ppbv

RT: 3.468 min Scan# 269

Delta R.T. 0.003 min

Lab File: VL041486.D

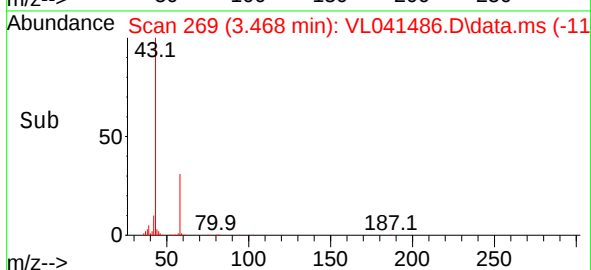
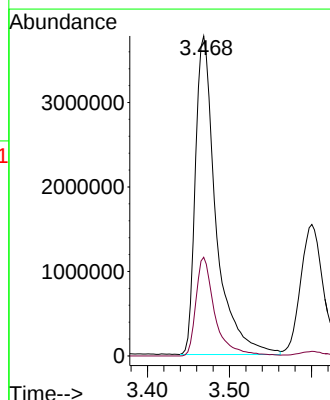
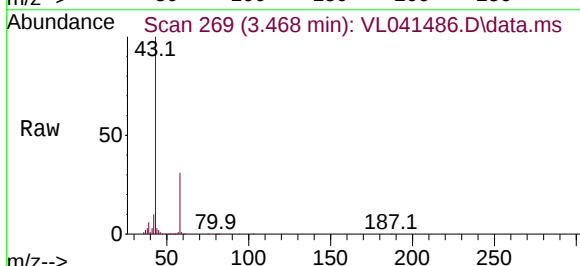
Acq: 1 Aug 2024 20:35

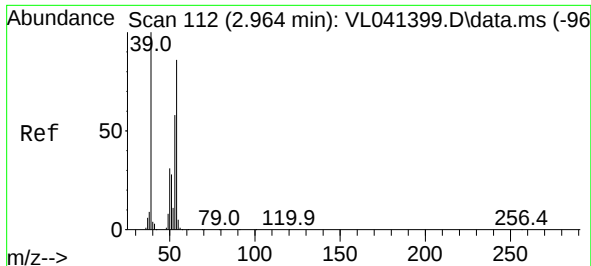
Tgt Ion: 43 Resp: 6554181

Ion Ratio Lower Upper

43 100

58 28.8 21.4 32.2





#16

1,3-Butadiene

Concen: 0.643 ppbv

RT: 2.970 min Scan# 114

Delta R.T. -0.016 min

Lab File: VL041486.D

Acq: 1 Aug 2024 20:35

Instrument :

MSVOA_L

ClientSampleId :

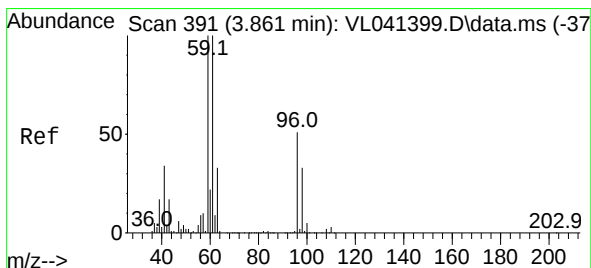
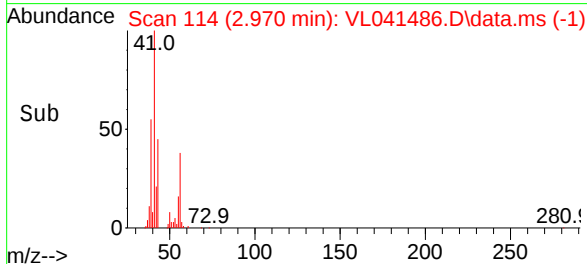
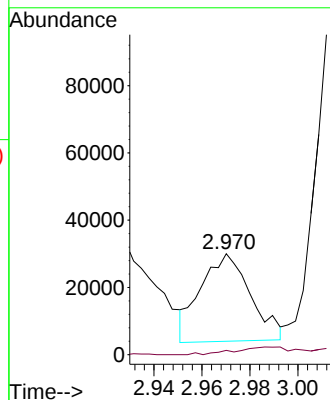
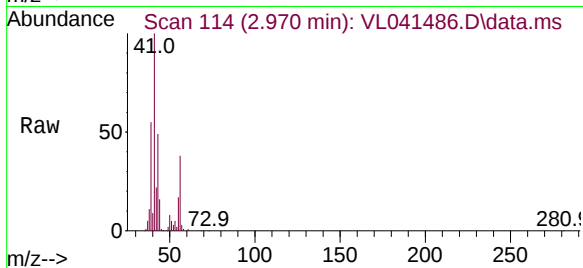
2ND-FLOORDUP

Tgt Ion: 39 Resp: 37480

Ion Ratio Lower Upper

39 100

54 17.4 62.5 93.7#



#17

tert-Butyl alcohol

Concen: 0.784 ppbv

RT: 3.906 min Scan# 405

Delta R.T. 0.032 min

Lab File: VL041486.D

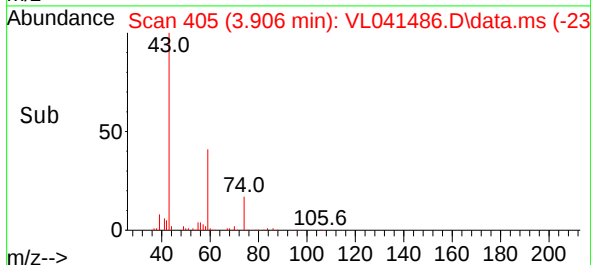
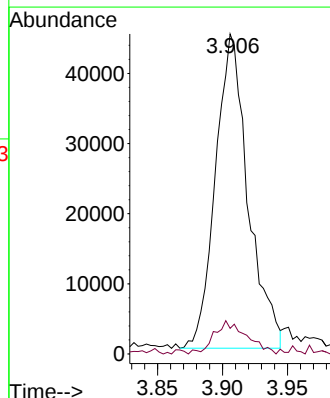
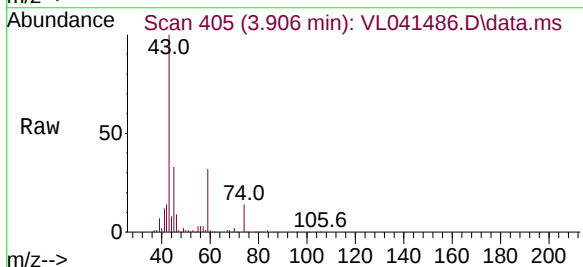
Acq: 1 Aug 2024 20:35

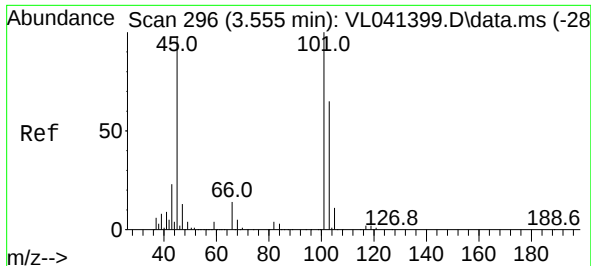
Tgt Ion: 59 Resp: 78034

Ion Ratio Lower Upper

59 100

57 11.1 8.6 12.8





#19

Isopropyl Alcohol

Concen: 179.987 ppbv

RT: 3.600 min Scan# 310

Delta R.T. 0.026 min

Lab File: VL041486.D

Acq: 1 Aug 2024 20:35

Instrument :

MSVOA_L

ClientSampleId :

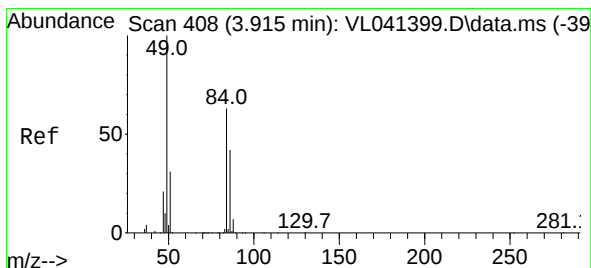
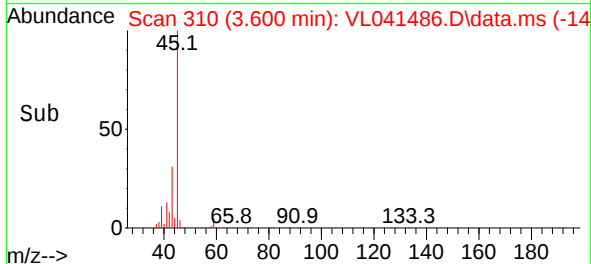
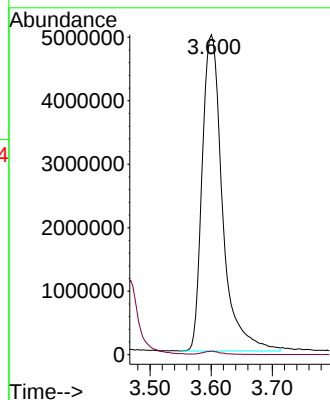
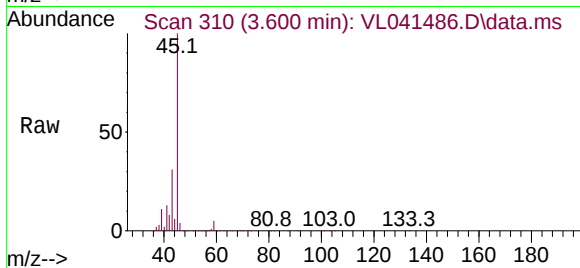
2ND-FLOORDUP

Tgt Ion: 45 Resp:11483514

Ion Ratio Lower Upper

45 100

58 1.0 1.9 2.9#



#20

Methylene Chloride

Concen: 26.221 ppbv

RT: 3.938 min Scan# 415

Delta R.T. 0.006 min

Lab File: VL041486.D

Acq: 1 Aug 2024 20:35

Tgt Ion: 84 Resp: 1067078

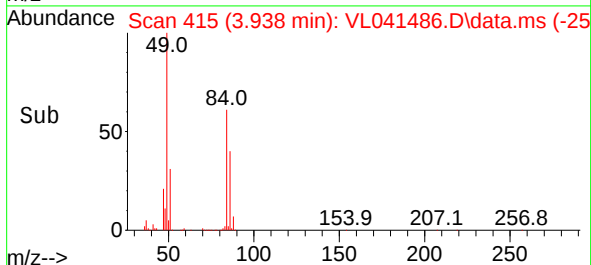
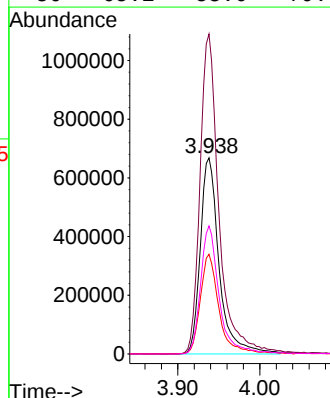
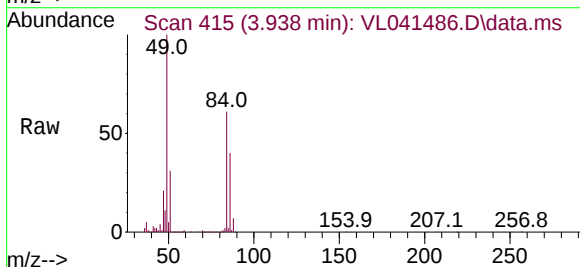
Ion Ratio Lower Upper

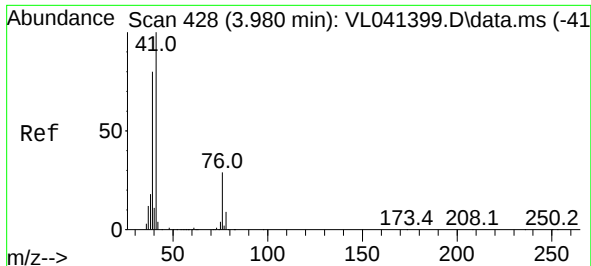
84 100

49 163.1 126.6 190.0

51 50.6 38.6 58.0

86 65.2 53.0 79.4





#21

Allyl Chloride

Concen: 0.640 ppbv

RT: 3.935 min Scan# 41

Delta R.T. -0.061 min

Lab File: VL041486.D

Acq: 1 Aug 2024 20:35

Instrument :

MSVOA_L

ClientSampleId :

2ND-FLOORDUP

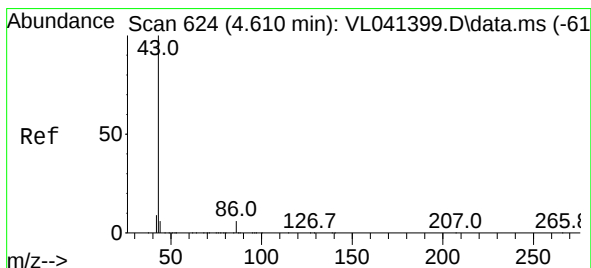
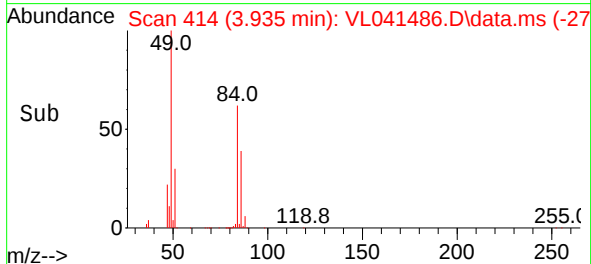
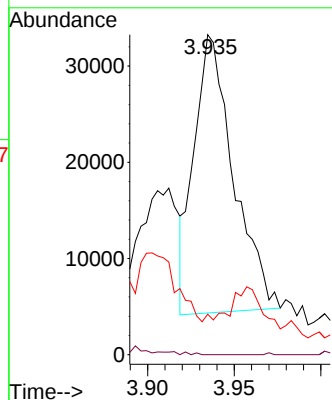
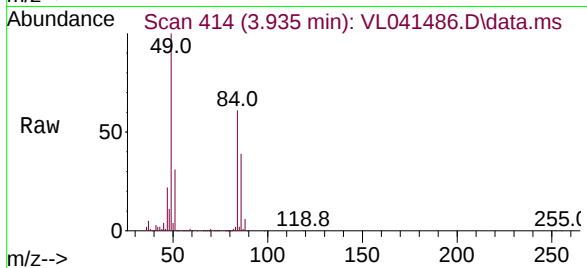
Tgt Ion: 41 Resp: 45773

Ion Ratio Lower Upper

41 100

76 22.9 23.7 35.5#

39 0.0 64.3 96.5#



#23

Vinyl Acetate

Concen: 2.407 ppbv

RT: 4.620 min Scan# 627

Delta R.T. -0.006 min

Lab File: VL041486.D

Acq: 1 Aug 2024 20:35

Tgt Ion: 43 Resp: 200585

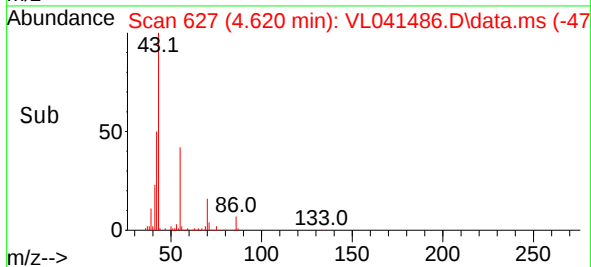
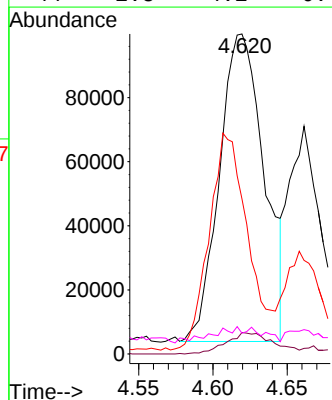
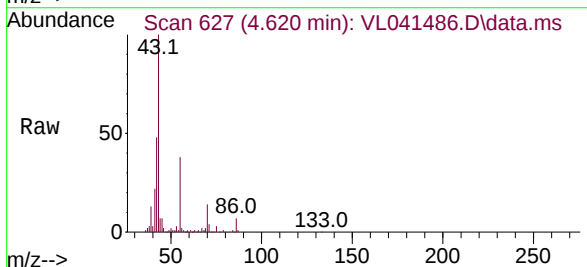
Ion Ratio Lower Upper

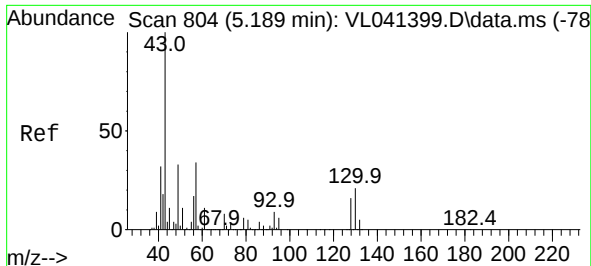
43 100

86 6.8 4.6 6.8

42 48.3 7.9 11.9#

44 2.8 4.2 6.4#





#25

Ethyl Acetate

Concen: 4.260 ppbv

RT: 5.211 min Scan# 811

Delta R.T. 0.010 min

Lab File: VL041486.D

Acq: 1 Aug 2024 20:35

Instrument :

MSVOA_L

ClientSampleId :

2ND-FLOORDUP

Tgt Ion: 43 Resp: 923642

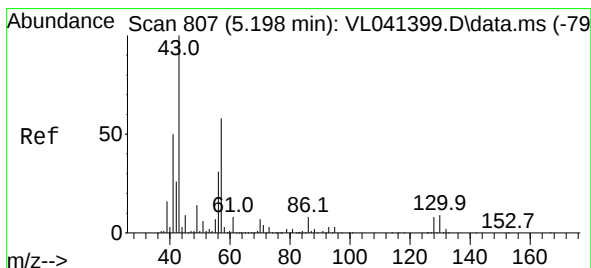
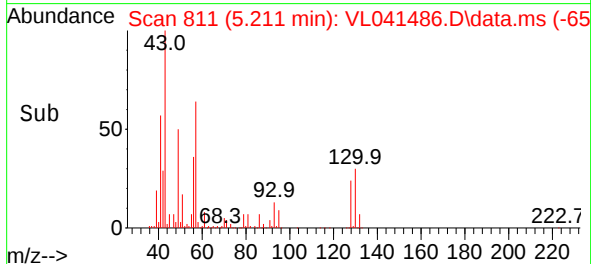
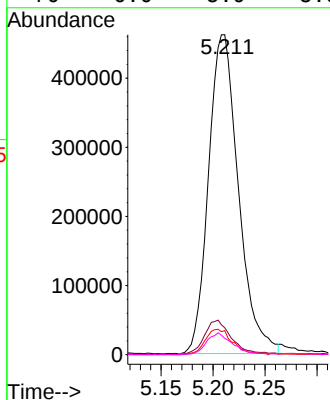
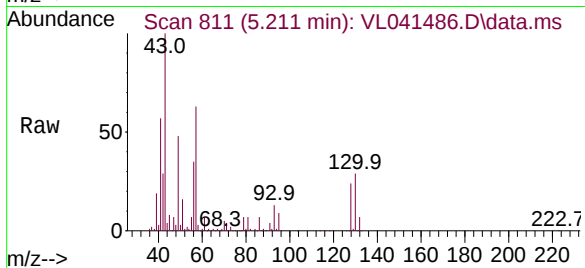
Ion Ratio Lower Upper

43 100

45 9.9 8.5 12.7

61 7.6 8.0 12.0#

70 6.0 5.9 8.9



#26

Hexane

Concen: 6.267 ppbv

RT: 5.214 min Scan# 812

Delta R.T. 0.003 min

Lab File: VL041486.D

Acq: 1 Aug 2024 20:35

Tgt Ion: 57 Resp: 563601

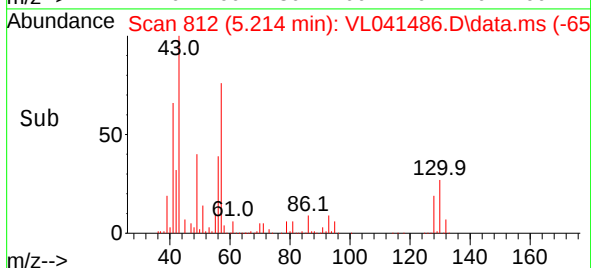
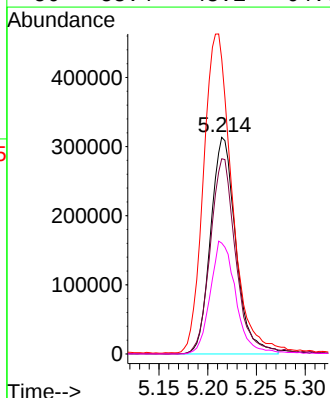
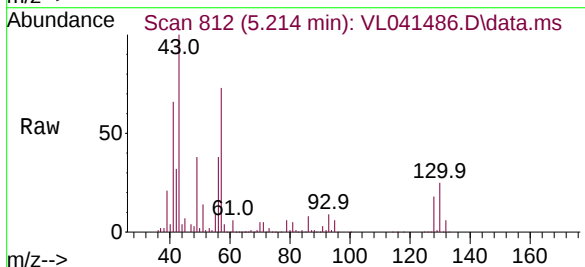
Ion Ratio Lower Upper

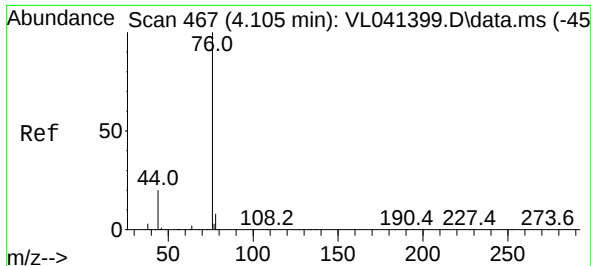
57 100

41 92.7 74.0 111.0

43 168.3 193.6 290.4#

56 53.4 43.1 64.7

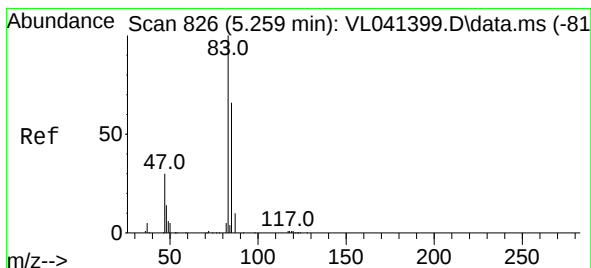
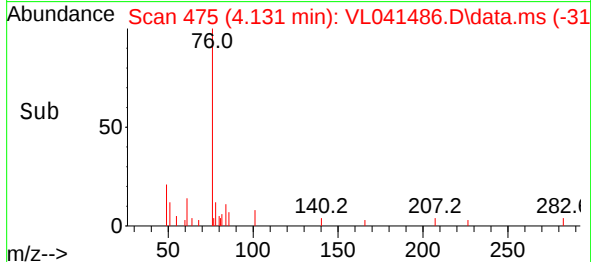
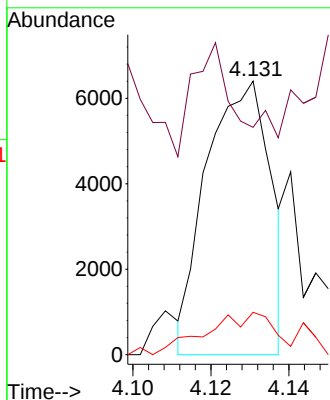
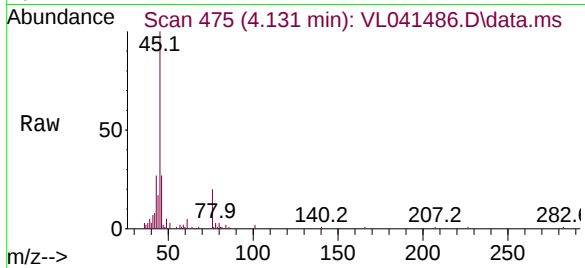




#27
Carbon Disulfide
Concen: 0.069 ppbv
RT: 4.131 min Scan# 41
Delta R.T. 0.010 min
Lab File: VL041486.D
Acq: 1 Aug 2024 20:35

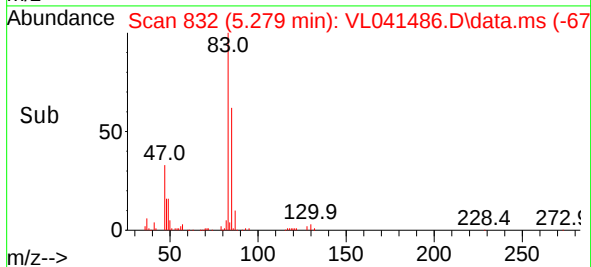
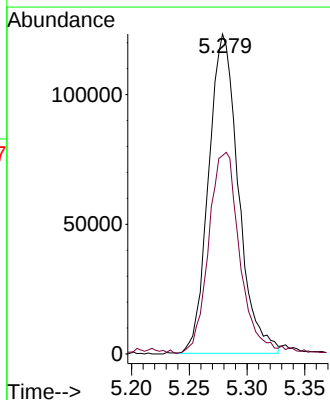
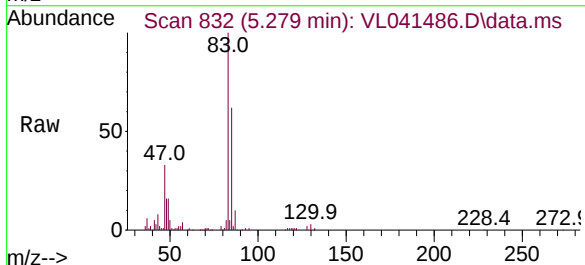
Instrument :
MSVOA_L
ClientSampleId :
2ND-FLOORDUP

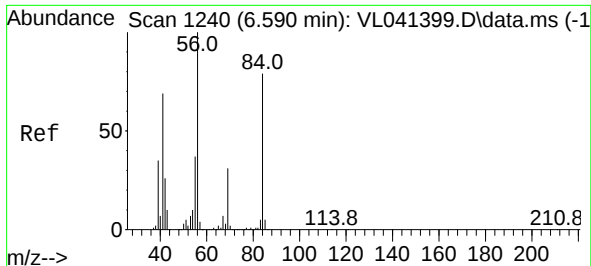
Tgt Ion: 76 Resp: 7295
Ion Ratio Lower Upper
76 100
44 45.4 15.6 23.4#
78 19.7 7.7 11.5#



#29
Chloroform
Concen: 1.506 ppbv
RT: 5.279 min Scan# 832
Delta R.T. 0.006 min
Lab File: VL041486.D
Acq: 1 Aug 2024 20:35

Tgt Ion: 83 Resp: 220867
Ion Ratio Lower Upper
83 100
85 61.8 53.1 79.7





#30

Cyclohexane

Concen: 0.088 ppbv

RT: 6.610 min Scan# 11

Delta R.T. 0.013 min

Lab File: VL041486.D

Acq: 1 Aug 2024 20:35

Instrument :

MSVOA_L

ClientSampleId :

2ND-FLOORDUP

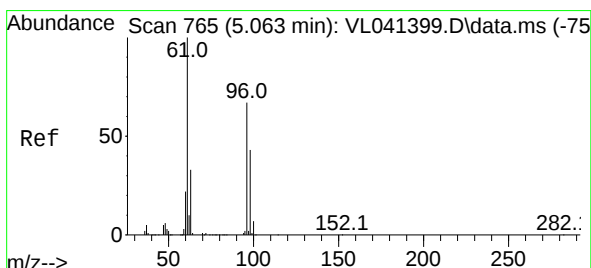
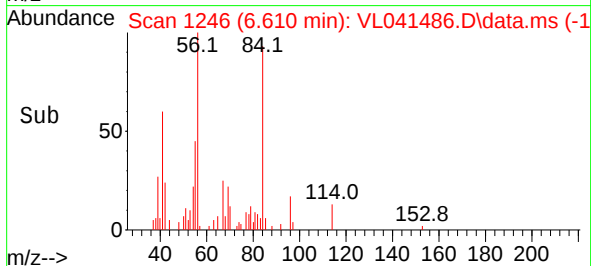
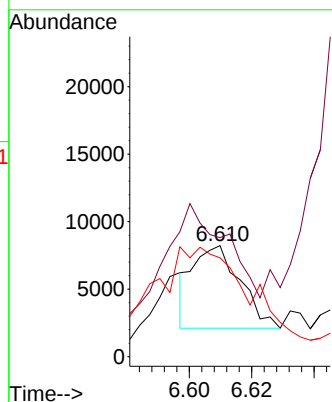
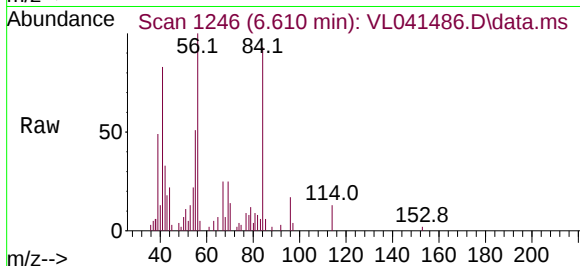
Tgt Ion: 84 Resp: 6445

Ion Ratio Lower Upper

84 100

56 365.7 111.2 166.8#

41 330.7 70.3 105.5#



#31

cis-1,2-Dichloroethene

Concen: 0.759 ppbv

RT: 5.205 min Scan# 809

Delta R.T. 0.129 min

Lab File: VL041486.D

Acq: 1 Aug 2024 20:35

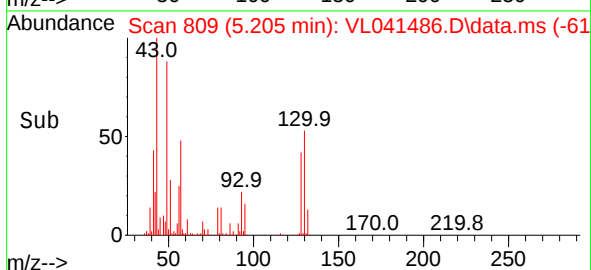
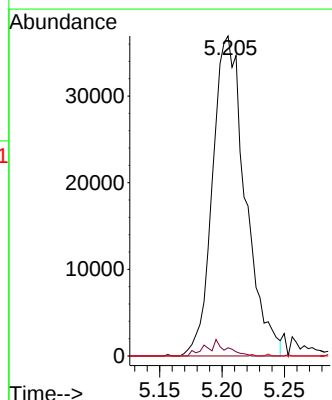
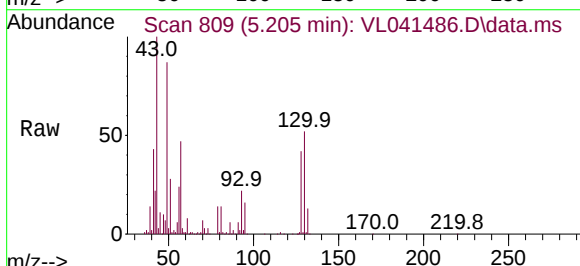
Tgt Ion: 61 Resp: 67459

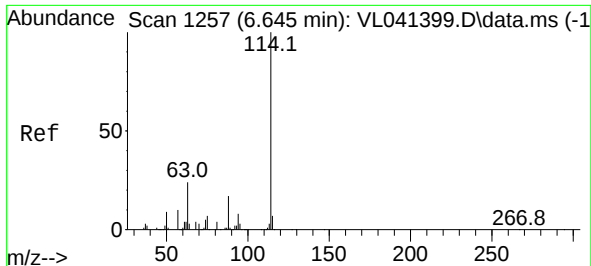
Ion Ratio Lower Upper

61 100

96 2.6 53.4 80.2#

98 0.0 34.4 51.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.658 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL041486.D

Acq: 1 Aug 2024 20:35

Instrument :

MSVOA_L

ClientSampleId :

2ND-FLOORDUP

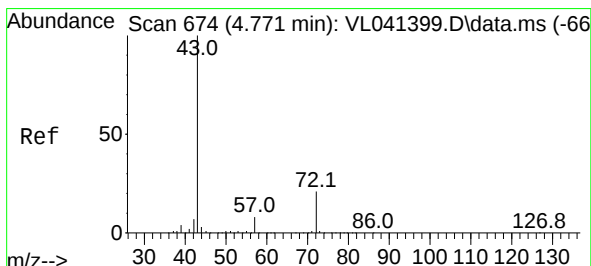
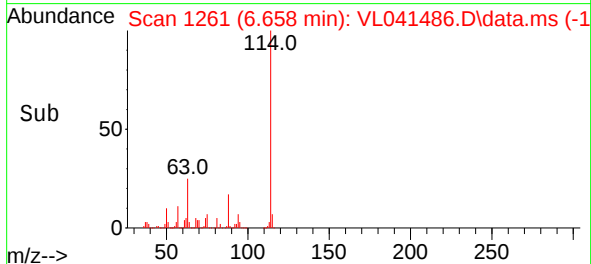
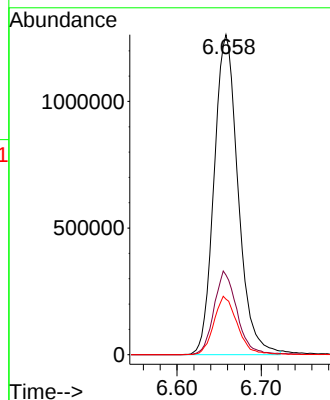
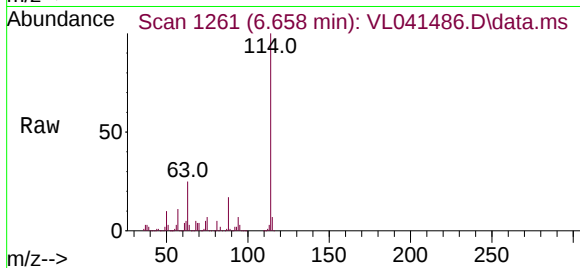
Tgt Ion:114 Resp: 2498489

Ion Ratio Lower Upper

114 100

63 25.3 20.3 30.5

88 18.0 14.3 21.5



#34

2-Butanone

Concen: 2.321 ppbv

RT: 4.790 min Scan# 680

Delta R.T. 0.006 min

Lab File: VL041486.D

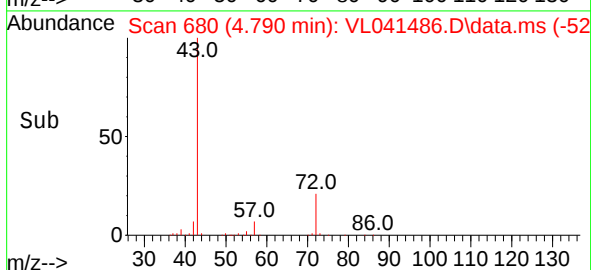
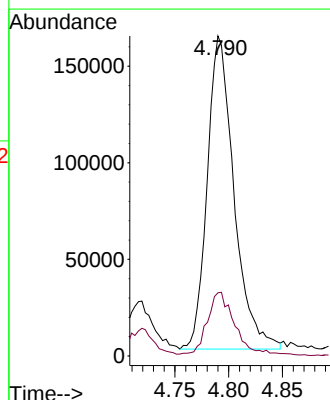
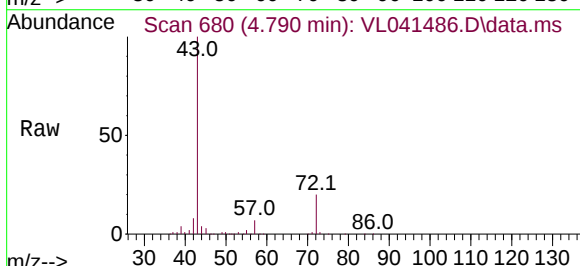
Acq: 1 Aug 2024 20:35

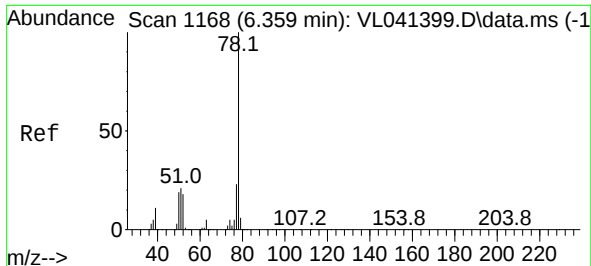
Tgt Ion: 43 Resp: 280517

Ion Ratio Lower Upper

43 100

72 21.6 17.3 25.9

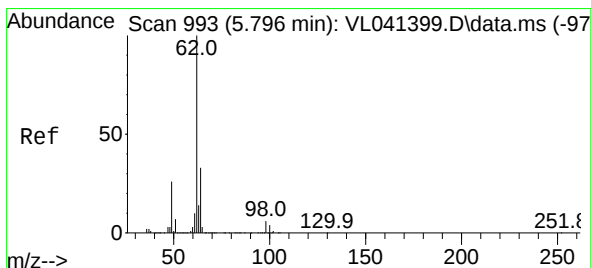
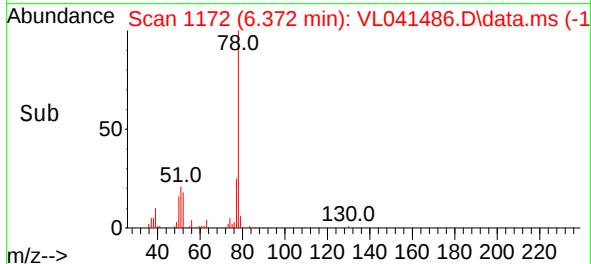
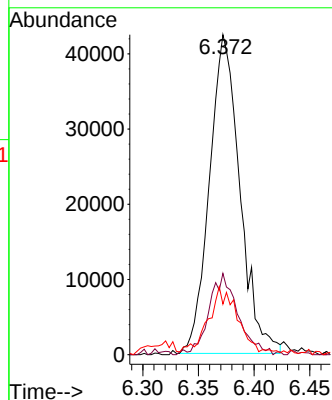
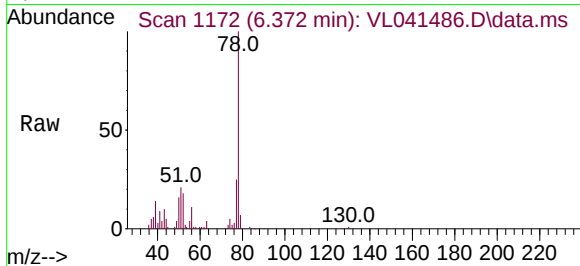




#36
Benzene
Concen: 0.442 ppbv
RT: 6.372 min Scan# 1168
Delta R.T. 0.003 min
Lab File: VL041486.D
Acq: 1 Aug 2024 20:35

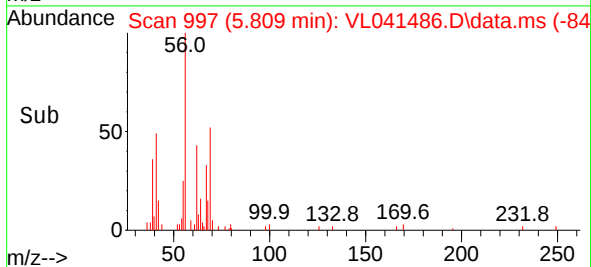
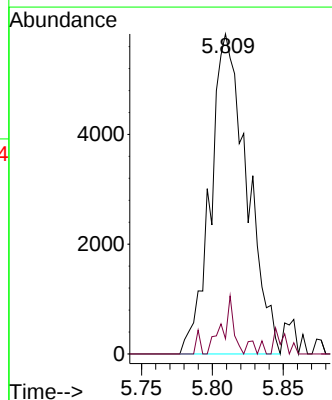
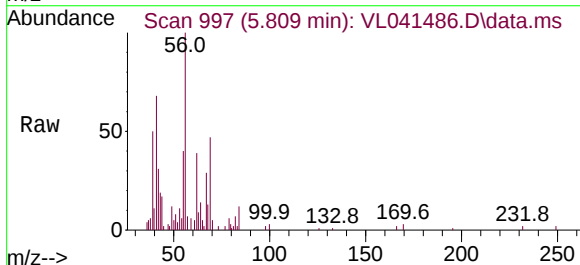
Instrument :
MSVOA_L
ClientSampleId :
2ND-FLOORDUP

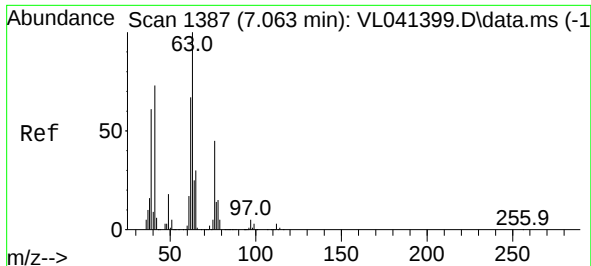
Tgt Ion: 78 Resp: 80670
Ion Ratio Lower Upper
78 100
77 24.6 18.1 27.1
50 15.3 15.5 23.3#



#37
1,2-Dichloroethane
Concen: 0.102 ppbv
RT: 5.809 min Scan# 997
Delta R.T. 0.003 min
Lab File: VL041486.D
Acq: 1 Aug 2024 20:35

Tgt Ion: 62 Resp: 10451
Ion Ratio Lower Upper
62 100
98 7.7 5.0 7.4#





#39

1,2-Dichloropropane

Concen: 8.960 ppbv

RT: 6.655 min Scan# 11

Delta R.T. -0.415 min

Lab File: VL041486.D

Acq: 1 Aug 2024 20:35

Instrument :

MSVOA_L

ClientSampleId :

2ND-FLOORDUP

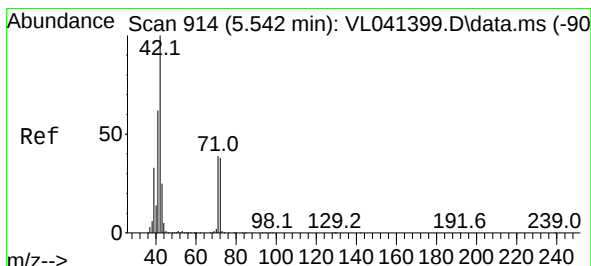
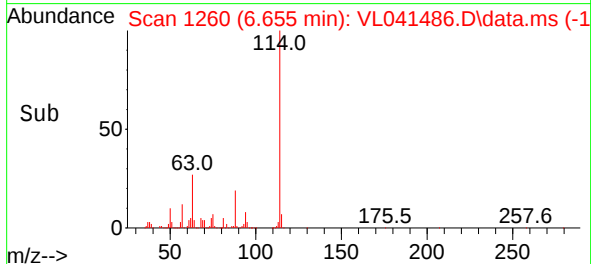
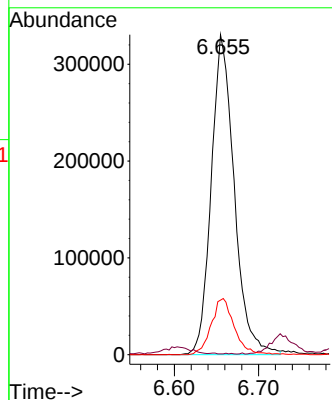
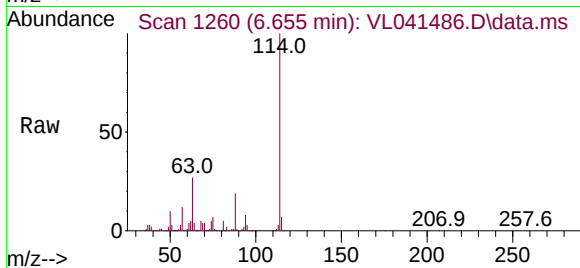
Tgt Ion: 63 Resp: 626245

Ion Ratio Lower Upper

63 100

41 0.0 58.3 87.5#

62 17.0 53.9 80.9#



#41

Tetrahydrofuran

Concen: 0.245 ppbv

RT: 5.552 min Scan# 917

Delta R.T. 0.000 min

Lab File: VL041486.D

Acq: 1 Aug 2024 20:35

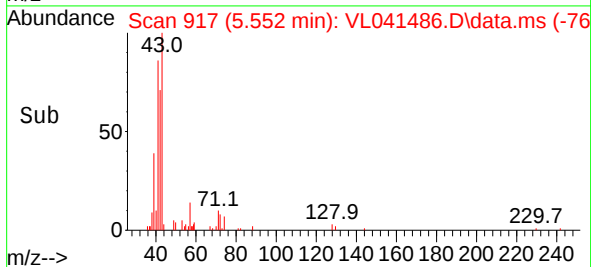
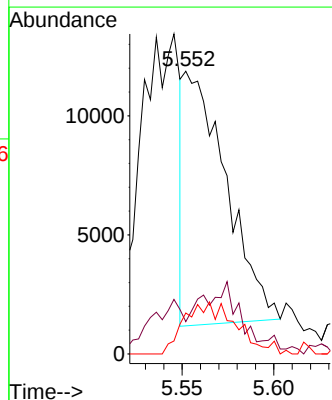
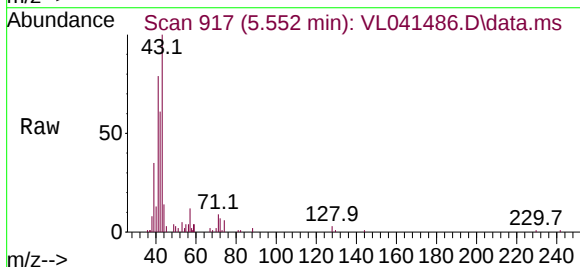
Tgt Ion: 42 Resp: 16963

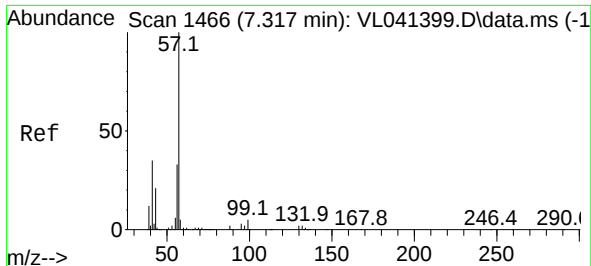
Ion Ratio Lower Upper

42 100

72 48.6 31.2 46.8#

71 25.2 30.5 45.7#





#44

2,2,4-Trimethylpentane

Concen: 1.488 ppbv

RT: 7.330 min Scan# 1466

Delta R.T. 0.006 min

Lab File: VL041486.D

Acq: 1 Aug 2024 20:35

Instrument :

MSVOA_1

ClientSampleId :

2ND-FLOORDUP

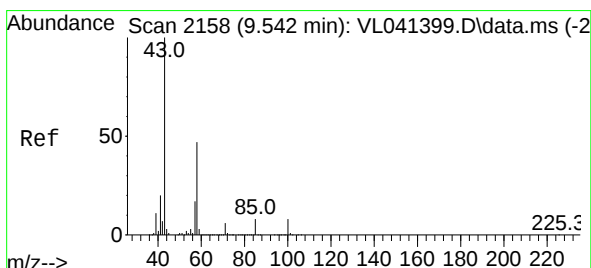
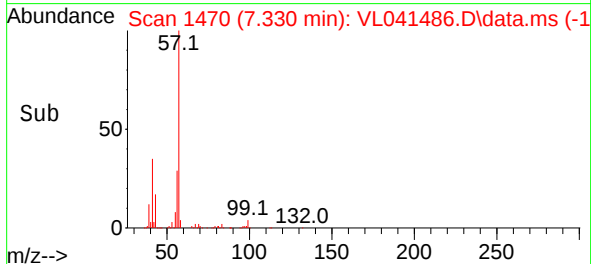
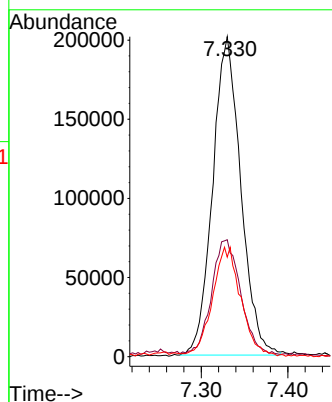
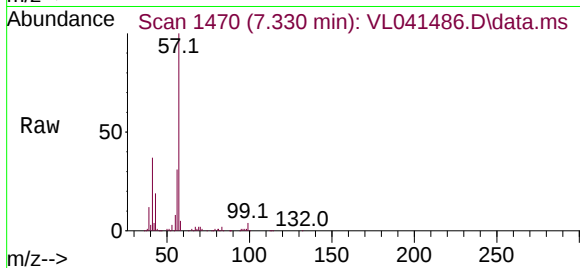
Tgt Ion: 57 Resp: 453627

Ion Ratio Lower Upper

57 100

41 39.7 27.0 40.6

56 35.3 25.2 37.8



#51

2-Hexanone

Concen: 0.070 ppbv

RT: 9.549 min Scan# 2160

Delta R.T. 0.003 min

Lab File: VL041486.D

Acq: 1 Aug 2024 20:35

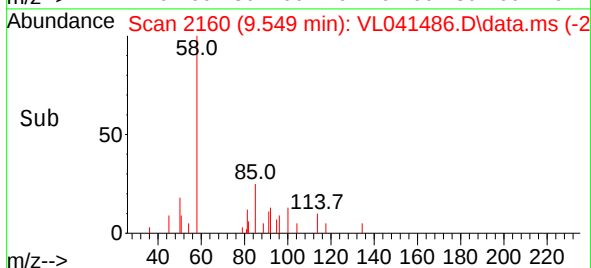
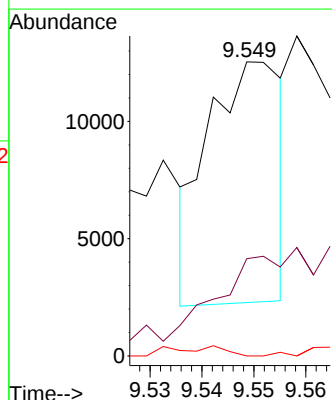
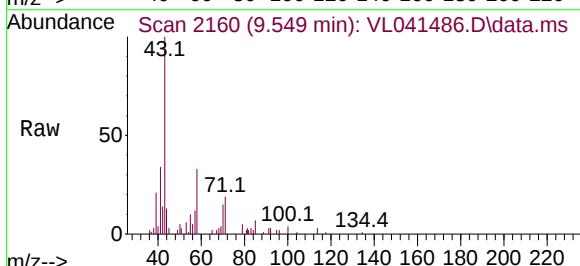
Tgt Ion: 43 Resp: 10113

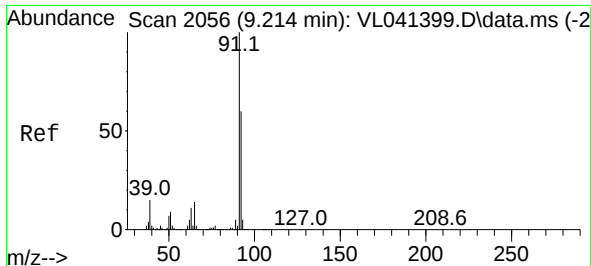
Ion Ratio Lower Upper

43 100

58 0.0 38.2 57.2#

98 4.8 0.3 0.5#





#53

Toluene

Concen: 4.738 ppbv

RT: 9.221 min Scan# 2056

Delta R.T. 0.000 min

Lab File: VL041486.D

Acq: 1 Aug 2024 20:35

Instrument :

MSVOA_1

ClientSampleId :

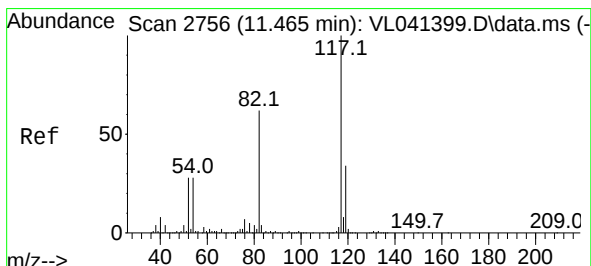
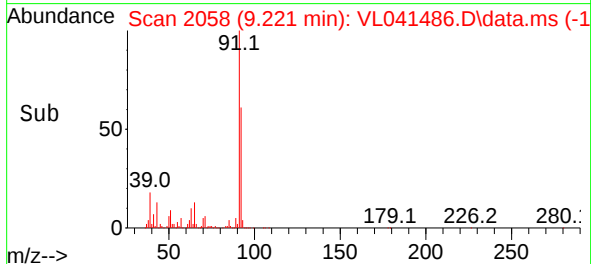
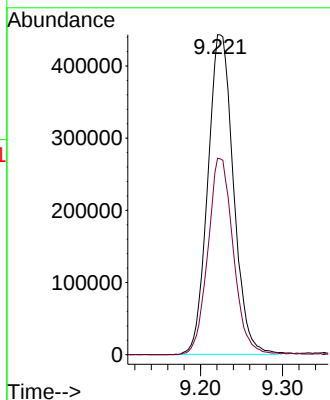
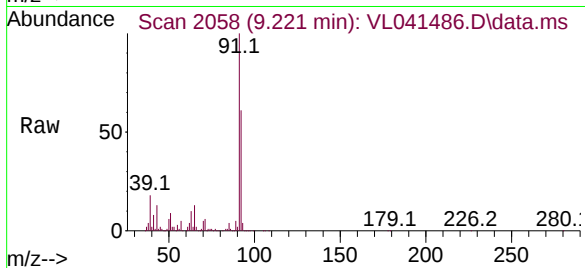
2ND-FLOORDUP

Tgt Ion: 91 Resp: 963539

Ion Ratio Lower Upper

91 100

92 61.4 48.7 73.1



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.471 min Scan# 2758

Delta R.T. 0.006 min

Lab File: VL041486.D

Acq: 1 Aug 2024 20:35

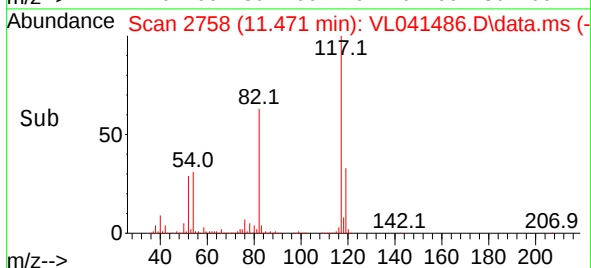
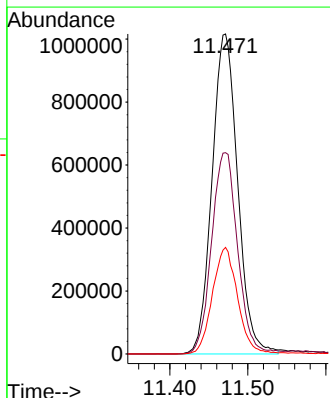
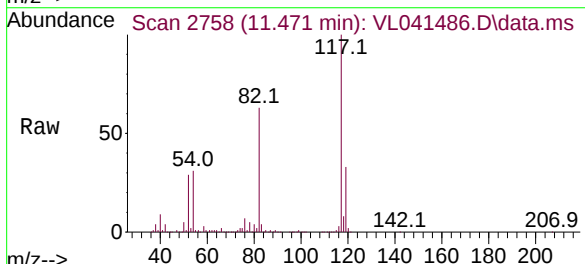
Tgt Ion: 117 Resp: 2322869

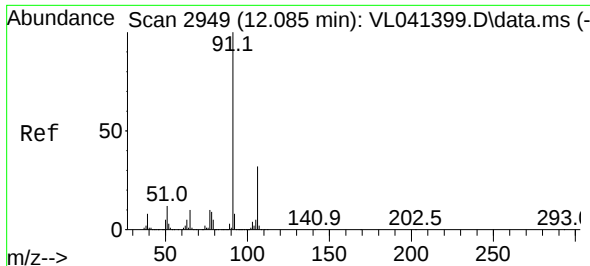
Ion Ratio Lower Upper

117 100

82 64.1 51.0 76.6

119 32.9 45.2 67.8#





#58

Ethyl Benzene

Concen: 0.337 ppbv

RT: 12.092 min Scan# 2949

Delta R.T. 0.006 min

Lab File: VL041486.D

Acq: 1 Aug 2024 20:35

Instrument :

MSVOA_L

ClientSampleId :

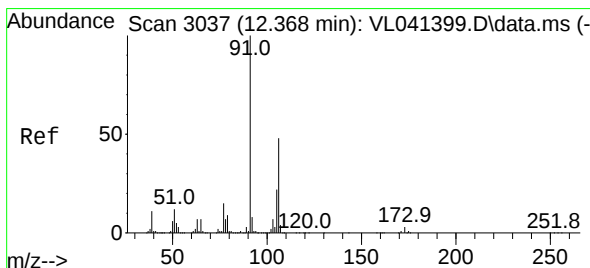
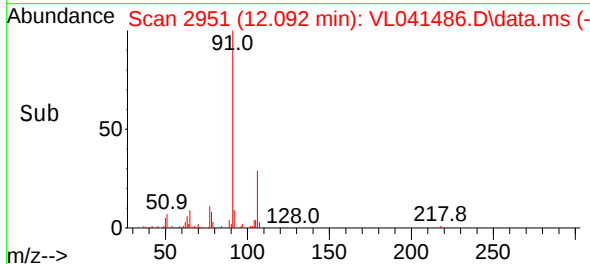
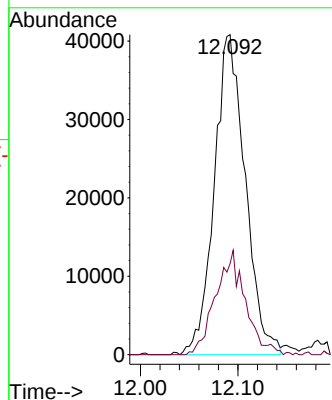
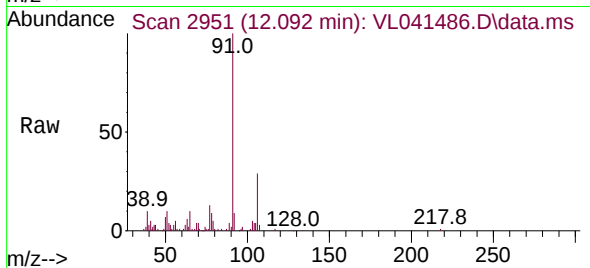
2ND-FLOORDUP

Tgt Ion: 91 Resp: 90205

Ion Ratio Lower Upper

91 100

106 28.7 25.8 38.8



#59

m/p-Xylene

Concen: 0.817 ppbv

RT: 12.349 min Scan# 3031

Delta R.T. -0.019 min

Lab File: VL041486.D

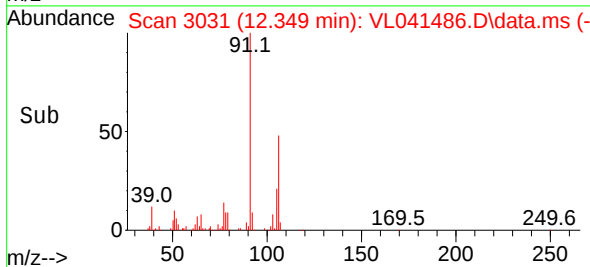
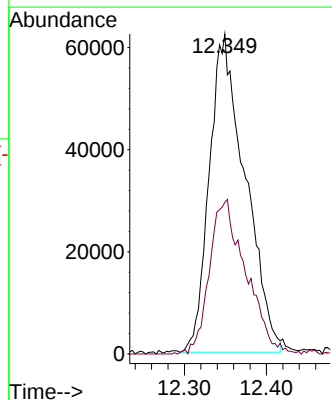
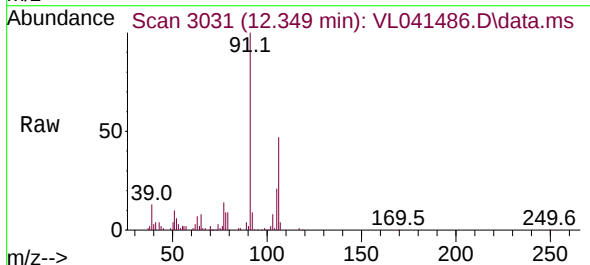
Acq: 1 Aug 2024 20:35

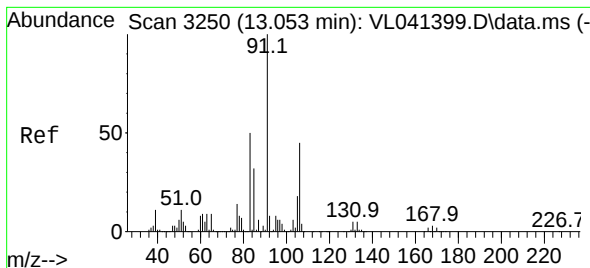
Tgt Ion: 91 Resp: 188920

Ion Ratio Lower Upper

91 100

106 49.4 36.3 54.5

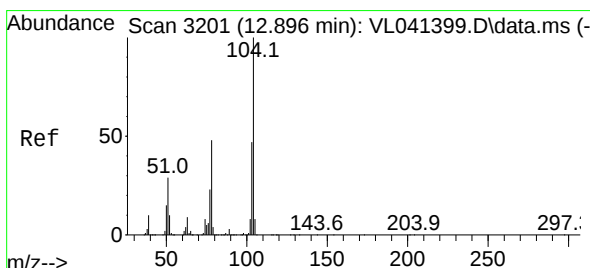
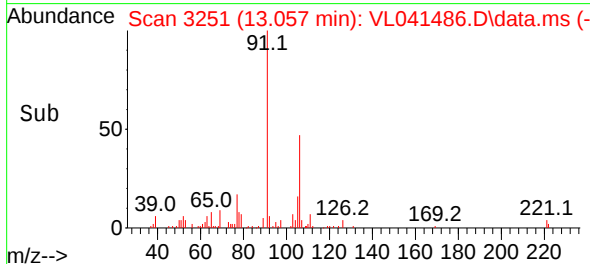
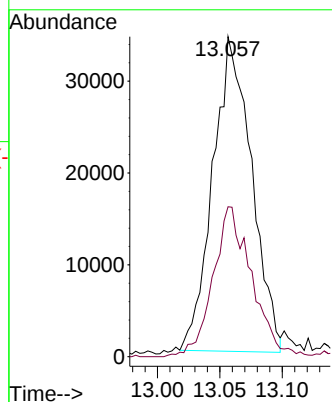
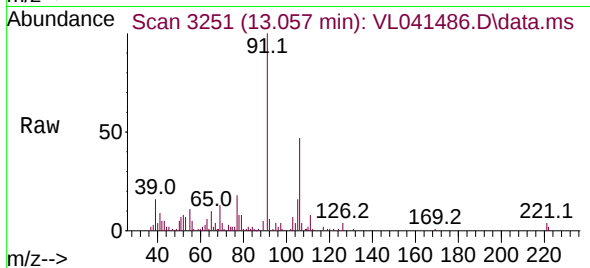




#60
o-Xylene
Concen: 0.339 ppbv
RT: 13.057 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL041486.D
Acq: 1 Aug 2024 20:35

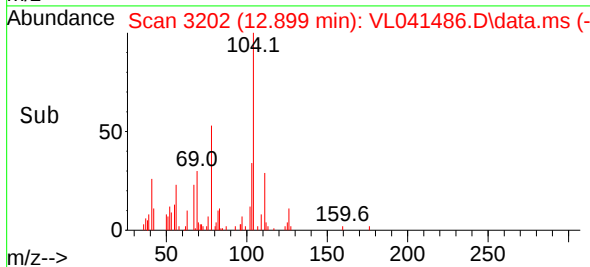
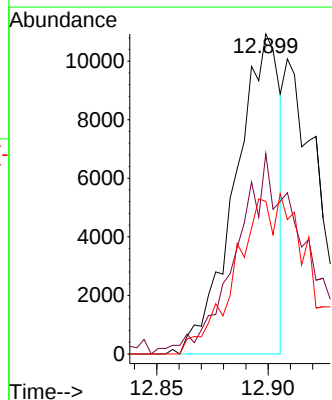
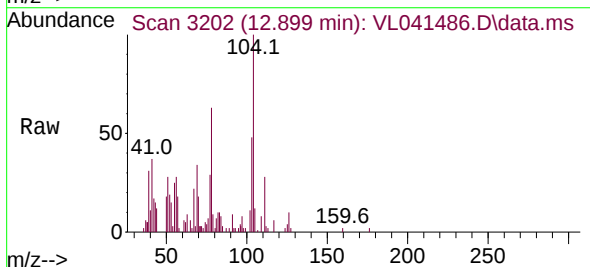
Instrument :
MSVOA_1
ClientSampleId :
2ND-FLOORDUP

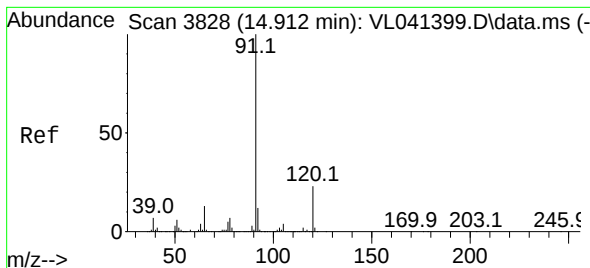
Tgt Ion: 91 Resp: 74054
Ion Ratio Lower Upper
91 100
106 47.5 23.1 69.3



#61
Styrene
Concen: 0.153 ppbv
RT: 12.899 min Scan# 3202
Delta R.T. 0.003 min
Lab File: VL041486.D
Acq: 1 Aug 2024 20:35

Tgt Ion:104 Resp: 15106
Ion Ratio Lower Upper
104 100
78 99.9 40.8 61.2#
103 0.0 38.2 57.4#





#64

n-propylbenzene

Concen: 0.045 ppbv

RT: 14.918 min Scan# 3828

Delta R.T. 0.006 min

Lab File: VL041486.D

Acq: 1 Aug 2024 20:35

Instrument :

MSVOA_1

ClientSampleId :

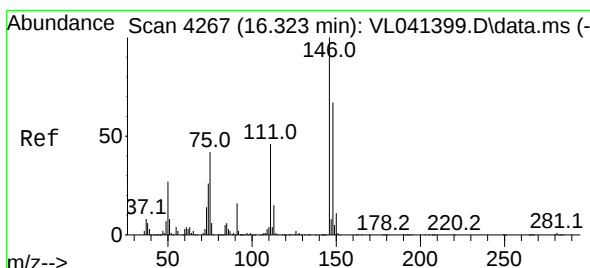
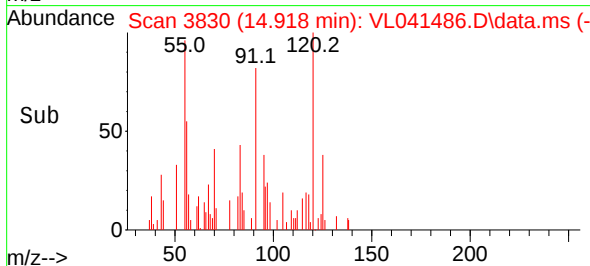
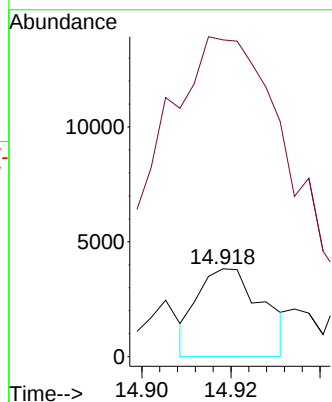
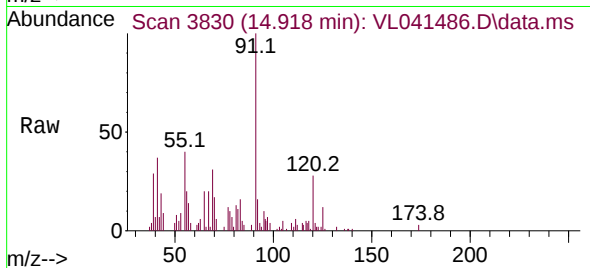
2ND-FLOORDUP

Tgt Ion:120 Resp: 3882

Ion Ratio Lower Upper

120 100

91 857.3 361.4 542.0#



#66

Benzyl Chloride

Concen: 0.067 ppbv

RT: 16.330 min Scan# 4269

Delta R.T. 0.003 min

Lab File: VL041486.D

Acq: 1 Aug 2024 20:35

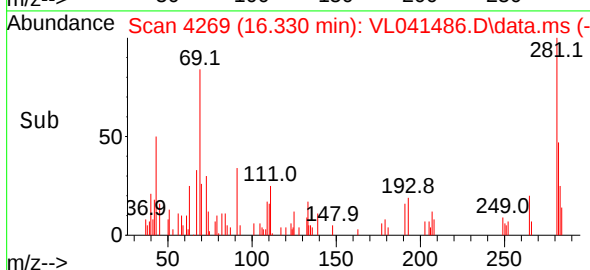
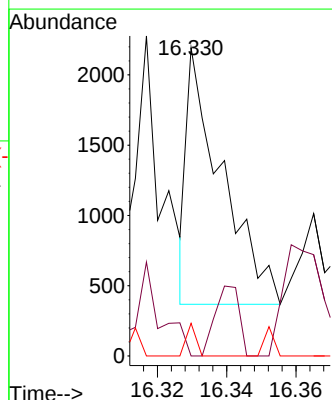
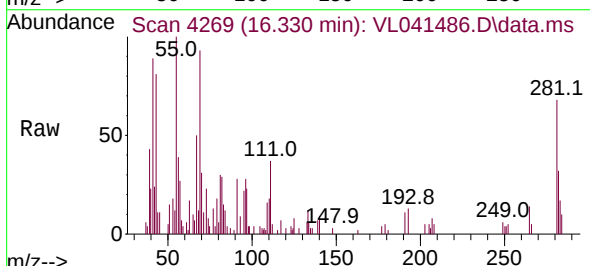
Tgt Ion: 91 Resp: 1287

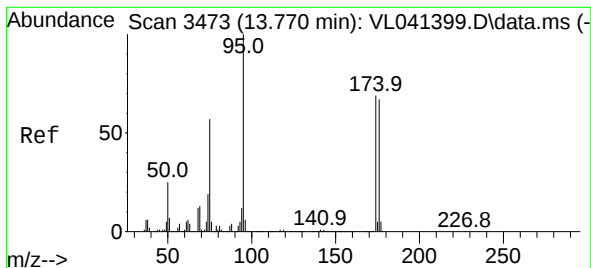
Ion Ratio Lower Upper

91 100

126 83.5 13.8 20.8#

128 0.0 4.4 6.6#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.264 ppbv

RT: 13.780 min Scan# 3476

Delta R.T. 0.006 min

Lab File: VL041486.D

Acq: 1 Aug 2024 20:35

Instrument :

MSVOA_L

ClientSampleId :

2ND-FLOORDUP

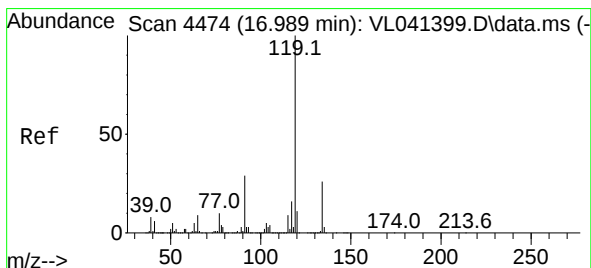
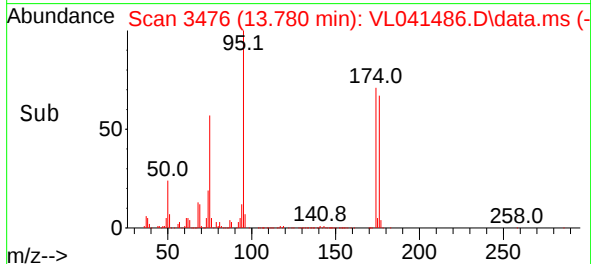
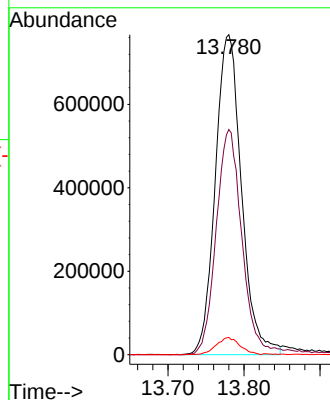
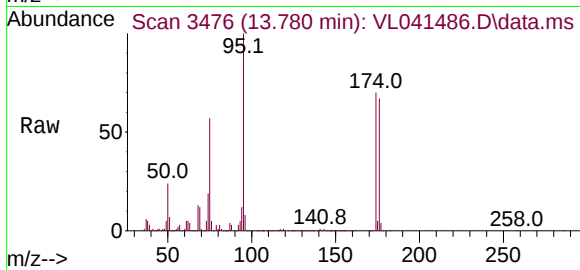
Tgt Ion: 95 Resp: 1834844

Ion Ratio Lower Upper

95 100

174 71.3 56.3 84.5

175 5.0 4.0 6.0



#69

p-Isopropyltoluene

Concen: 2.682 ppbv

RT: 16.995 min Scan# 4476

Delta R.T. 0.003 min

Lab File: VL041486.D

Acq: 1 Aug 2024 20:35

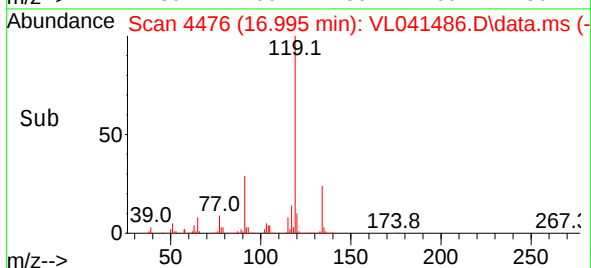
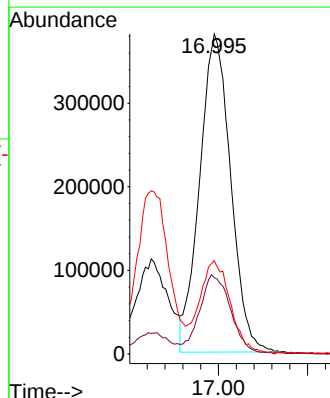
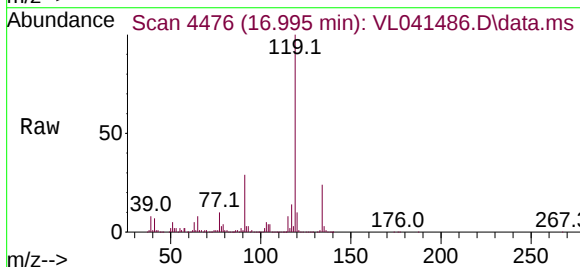
Tgt Ion: 119 Resp: 920377

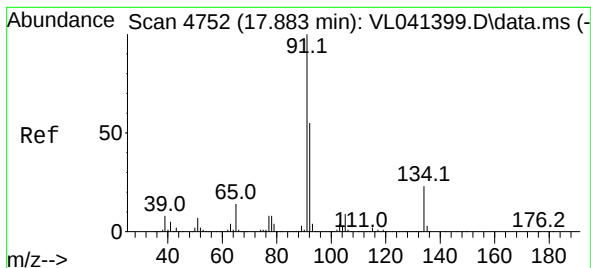
Ion Ratio Lower Upper

119 100

134 25.7 20.5 30.7

91 29.6 23.2 34.8





#70

n-Butylbenzene

Concen: 3.532 ppbv

RT: 18.043 min Scan# 41

Delta R.T. 0.161 min

Lab File: VL041486.D

Acq: 1 Aug 2024 20:35

Instrument :

MSVOA_1

ClientSampleId :

2ND-FLOORDUP

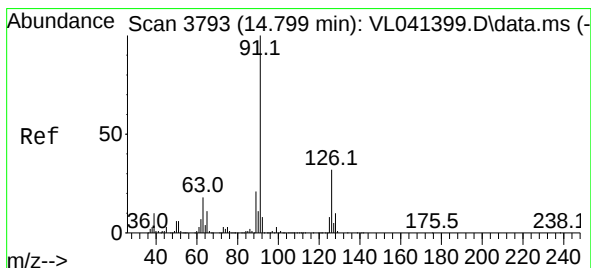
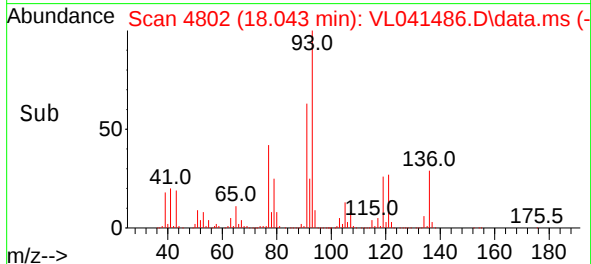
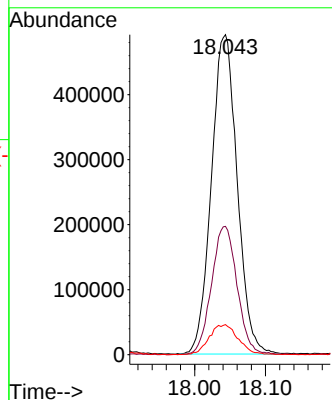
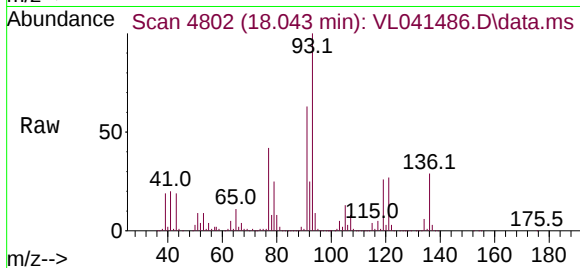
Tgt Ion: 91 Resp: 1242833

Ion Ratio Lower Upper

91 100

92 40.1 43.2 64.8#

134 10.7 18.5 27.7#



#71

2-Chlorotoluene

Concen: 0.369 ppbv

RT: 14.384 min Scan# 3664

Delta R.T. -0.415 min

Lab File: VL041486.D

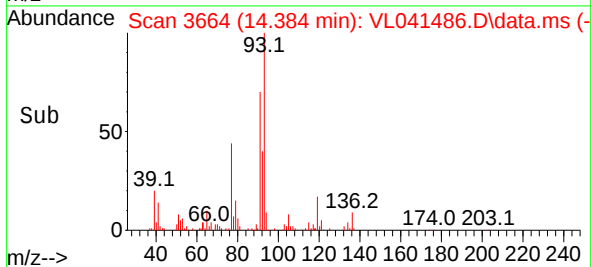
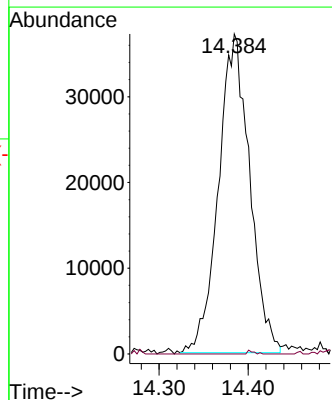
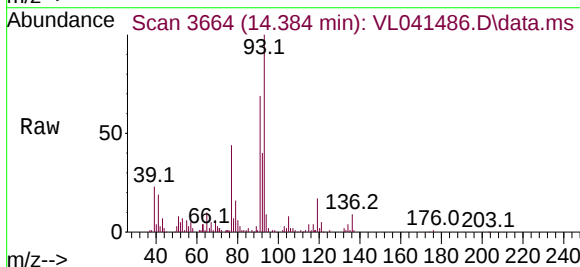
Acq: 1 Aug 2024 20:35

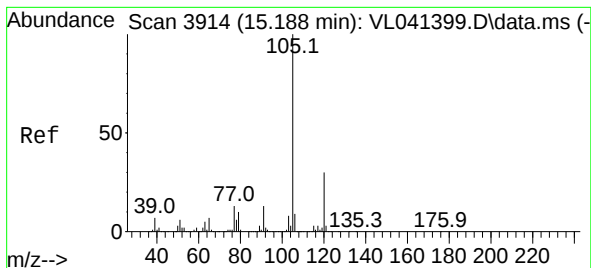
Tgt Ion: 91 Resp: 90337

Ion Ratio Lower Upper

91 100

126 13.5 12.7 50.9





#72

4-Ethyltoluene

Concen: 0.126 ppbv

RT: 15.195 min Scan# 3916

Delta R.T. 0.003 min

Lab File: VL041486.D

Acq: 1 Aug 2024 20:35

Instrument :

MSVOA_1

ClientSampleId :

2ND-FLOORDUP

Tgt Ion:105 Resp: 32359

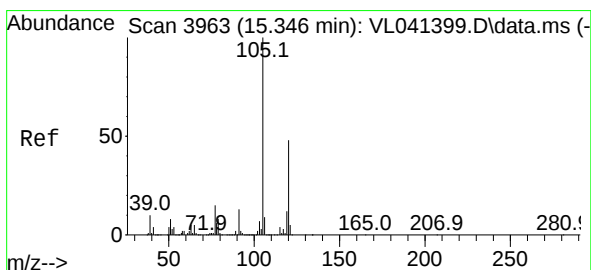
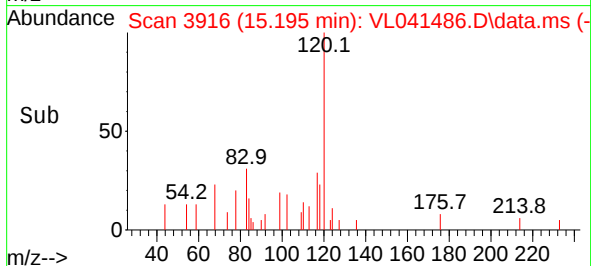
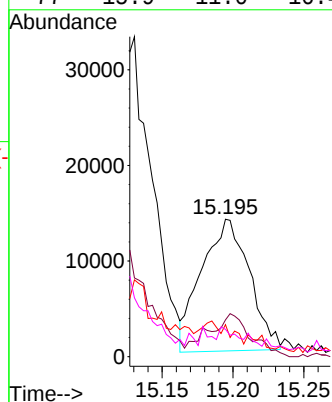
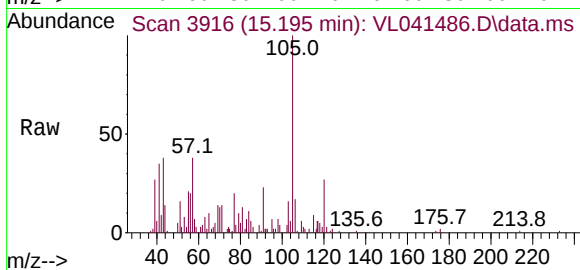
Ion Ratio Lower Upper

105 100

120 24.7 24.2 36.2

91 30.5 10.4 15.6#

77 15.9 11.0 16.4



#73

1,3,5-Trimethylbenzene

Concen: 0.093 ppbv

RT: 15.362 min Scan# 3968

Delta R.T. 0.013 min

Lab File: VL041486.D

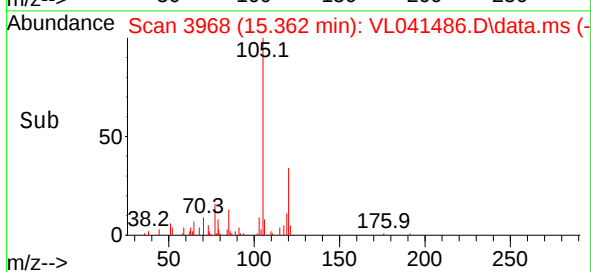
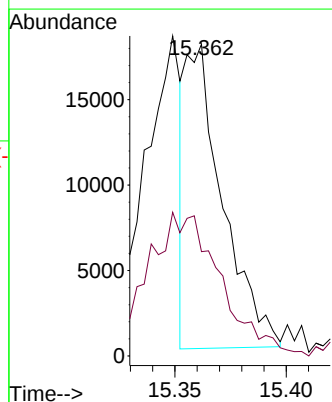
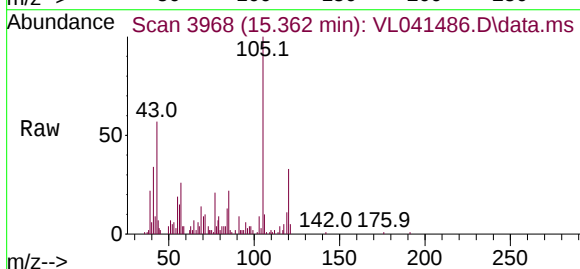
Acq: 1 Aug 2024 20:35

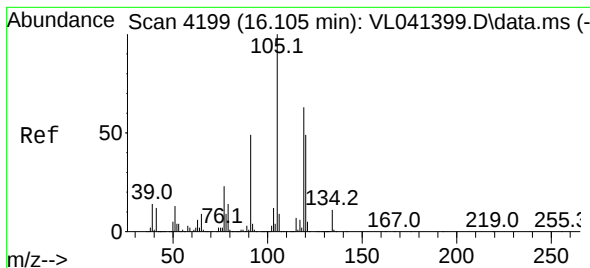
Tgt Ion:105 Resp: 20628

Ion Ratio Lower Upper

105 100

120 32.3 38.6 57.8#





#74

1,2,4-Trimethylbenzene

Concen: 0.209 ppbv

RT: 16.114 min Scan# 4199

Delta R.T. 0.006 min

Lab File: VL041486.D

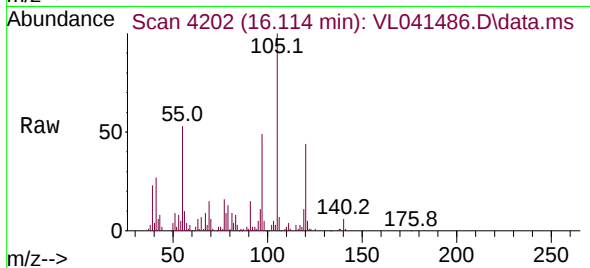
Acq: 1 Aug 2024 20:35

Instrument :

MSVOA_L

ClientSampleId :

2ND-FLOORDUP



Tgt Ion:105 Resp: 53874

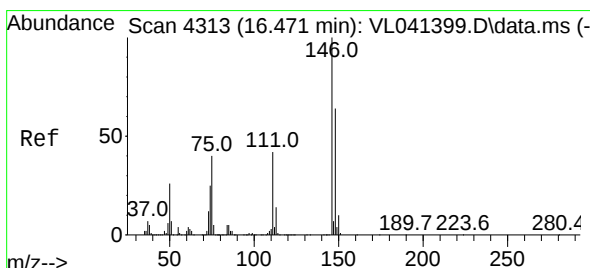
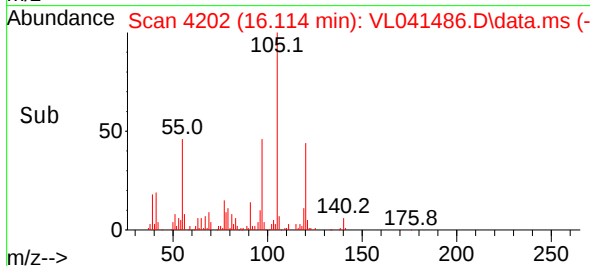
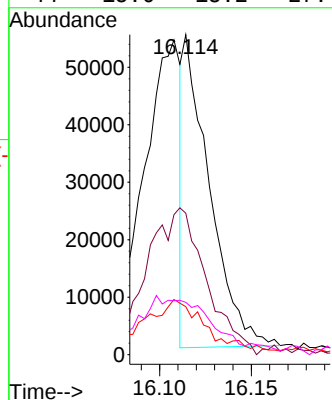
Ion Ratio Lower Upper

105 100

120 44.5 39.5 59.3

91 14.3 39.8 59.8#

77 15.6 18.2 27.4#



#76

1,4-Dichlorobenzene

Concen: 0.065 ppbv

RT: 16.481 min Scan# 4316

Delta R.T. 0.010 min

Lab File: VL041486.D

Acq: 1 Aug 2024 20:35

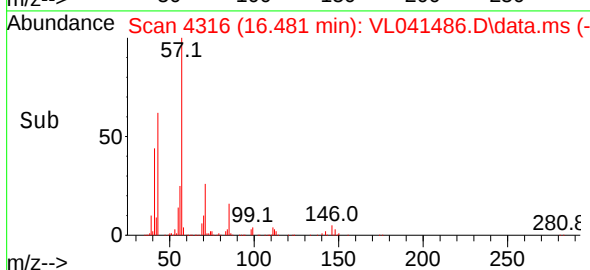
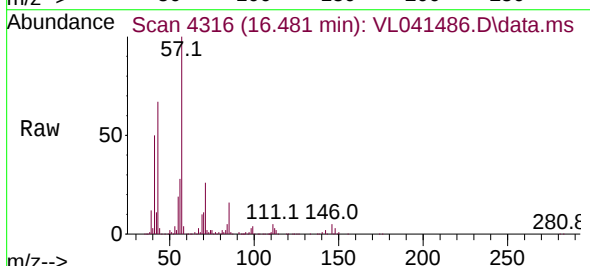
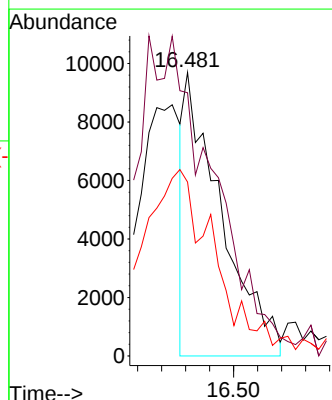
Tgt Ion:146 Resp: 10247

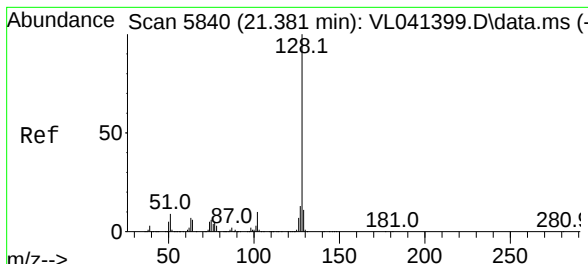
Ion Ratio Lower Upper

146 100

111 0.0 22.4 67.0#

148 145.5 33.1 99.5#





#79
 Naphthalene
 Concen: 0.034 ppbv
 RT: 21.391 min Scan# 51
 Delta R.T. 0.010 min
 Lab File: VL041486.D
 Acq: 1 Aug 2024 20:35

Instrument :
 MSVOA_L
 ClientSampleId :
 2ND-FLOORDUP

Tgt Ion:	128	Resp:	7744
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	19.5	9.0	13.4#

