

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080824\
 Data File : VL041521.D
 Acq On : 8 Aug 2024 20:39
 Operator : SY/MD
 Sample : P3496-07 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 09 05:59:24 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 : Tue Aug 06 01:32:58 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.198	49	1158699	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	3020200	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2809147	10.000	ppbv	# 0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	2234798	10.338	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.400%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.729	85	428839	2.151	ppbv	98
3) Chlorodifluoromethane	2.671	51	341811	2.478	ppbv	99
4) Chloromethane	2.812	50	70974	0.967	ppbv	98
8) Dichlorotetrafluoroethane	2.793	85	20097	0.114	ppbv #	19
9) Propene	2.700	41	8136868	128.411	ppbv #	15
10) Heptane	7.577	43	2732714	19.194	ppbv	99
11) Trichlorofluoromethane	3.562	101	8604	0.049	ppbv	98
13) Ethanol	3.246	45	4171963	736.645	ppbv	96
15) Acetone	3.465	43	24566204	186.599	ppbv #	68
16) 1,3-Butadiene	3.009	39	5544143	78.821	ppbv #	12
17) tert-Butyl alcohol	3.890	59	683241	5.690	ppbv #	72
19) Isopropyl Alcohol	3.584	45	588940	7.652	ppbv #	93
20) Methylene Chloride	3.938	84	831208	16.931	ppbv	99
21) Allyl Chloride	3.954	41	126966	1.471	ppbv #	83
22) trans-1,2-Dichloroethene	4.446	96	1939	0.036	ppbv #	33
23) Vinyl Acetate	4.655	43	3092385	30.755	ppbv #	37
25) Ethyl Acetate	5.211	43	1283069	4.906	ppbv #	78
26) Hexane	5.211	57	1769787	16.312	ppbv #	39
27) Carbon Disulfide	4.124	76	147375	1.161	ppbv	97
28) Methyl tert-Butyl Ether	4.713	73	10480	0.153	ppbv #	1
30) Cyclohexane	6.600	84	931116	10.539	ppbv	94
31) cis-1,2-Dichloroethene	5.082	61	9333	0.087	ppbv #	84
34) 2-Butanone	4.796	43	26296800	179.995	ppbv #	50
36) Benzene	6.369	78	755120	3.422	ppbv	98
38) Trichloroethene	7.295	130	4065	0.040	ppbv #	54
39) 1,2-Dichloropropane	6.658	63	724874	8.580	ppbv #	25
41) Tetrahydrofuran	5.491	42	27491	0.329	ppbv #	39
42) Bromodichloromethane	7.269	83	122522	0.687	ppbv #	26
43) Methyl Methacrylate	7.507	69	11445	0.145	ppbv #	1
44) 2,2,4-Trimethylpentane	7.320	57	276039	0.749	ppbv #	42
50) 4-Methyl-2-Pentanone	8.185	43	132746	0.576	ppbv	97
51) 2-Hexanone	9.539	43	1062695	6.097	ppbv #	91
53) Toluene	9.217	91	471021	1.916	ppbv	99
57) Chlorobenzene	11.523	112	132659	0.663	ppbv #	45
58) Ethyl Benzene	12.082	91	1006642	3.109	ppbv	98
59) m/p-Xylene	12.336	91	2333751	8.350	ppbv	95
60) o-Xylene	13.047	91	675408	2.554	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.027	83	13898	0.083	ppbv #	72
64) n-propylbenzene	14.908	120	3257	0.031	ppbv #	1
65) tert-Butylbenzene	16.365	119	541394	1.491	ppbv #	21
69) p-Isopropyltoluene	16.989	119	193047	0.465	ppbv	95
71) 2-Chlorotoluene	14.905	91	16632	0.056	ppbv	84
72) 4-Ethyltoluene	15.185	105	16925	0.054	ppbv #	53

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Quant Time: Aug 09 05:59:24 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 : Tue Aug 06 01:32:58 2024
Response via : Initial Calibration

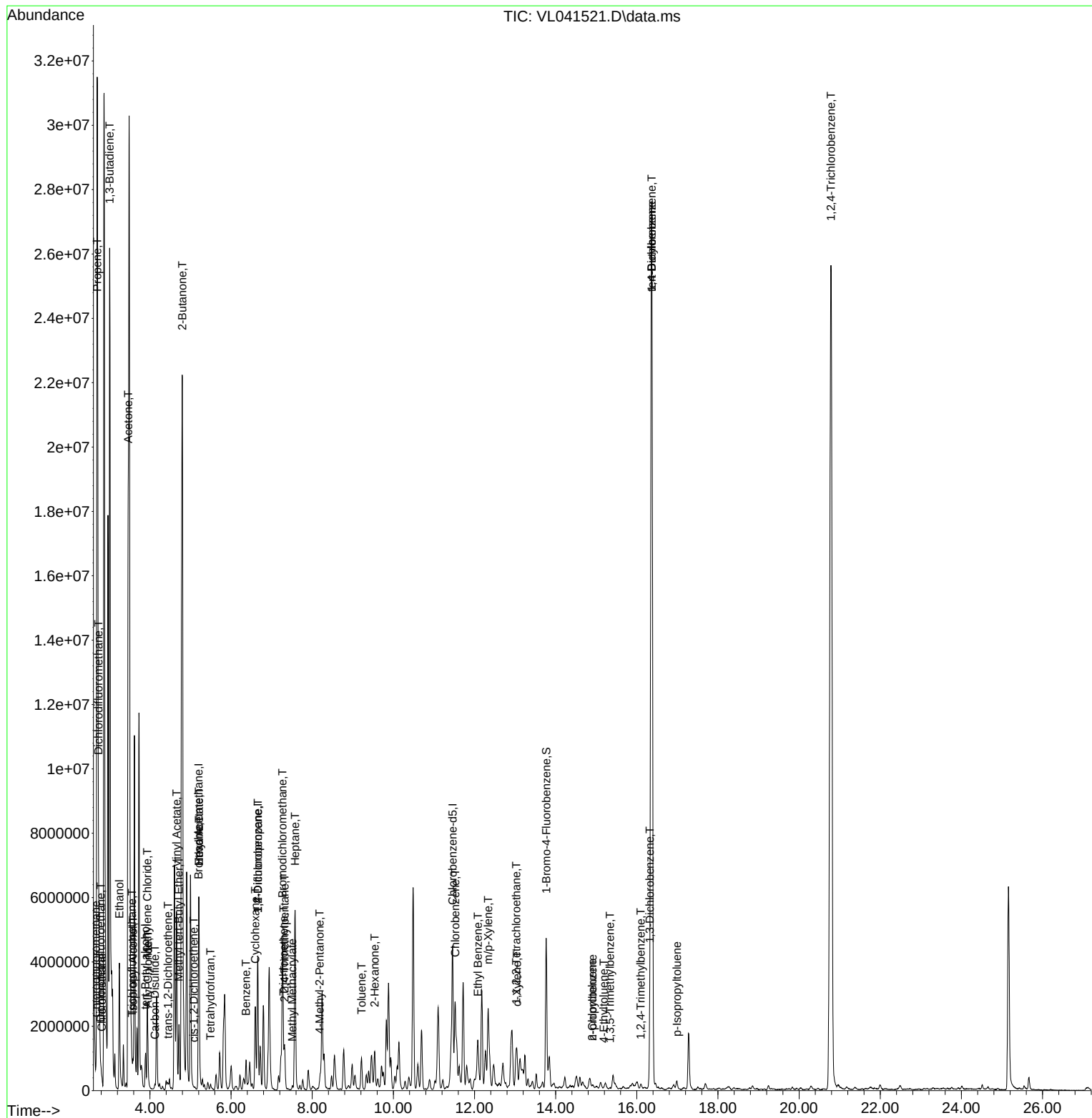
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
73) 1,3,5-Trimethylbenzene	15.339	105	23389	0.087	ppbv #	74
74) 1,2,4-Trimethylbenzene	16.095	105	91867	0.295	ppbv #	64
75) 1,3-Dichlorobenzene	16.317	146	351570	1.794	ppbv	84
76) 1,4-Dichlorobenzene	16.368	146	14875	0.078	ppbv #	1
81) 1,2,4-Trichlorobenzene	20.786	180	89254	0.545	ppbv #	26

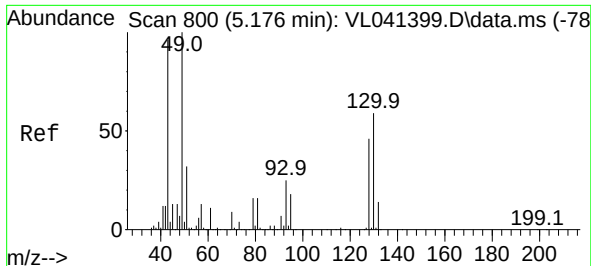
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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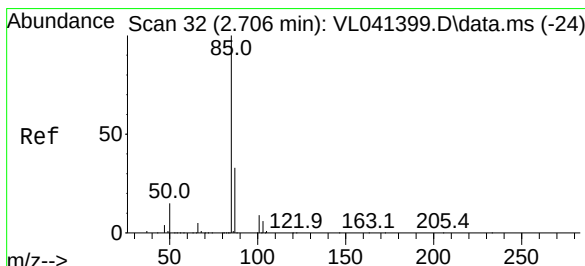
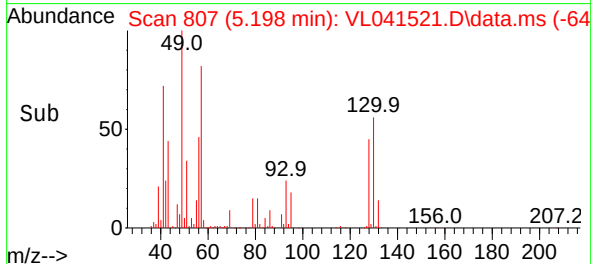
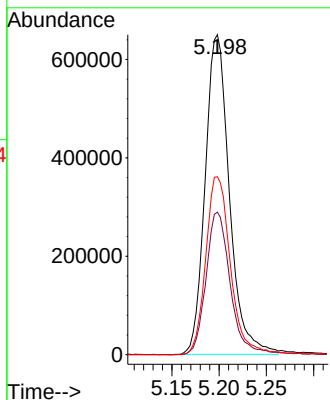
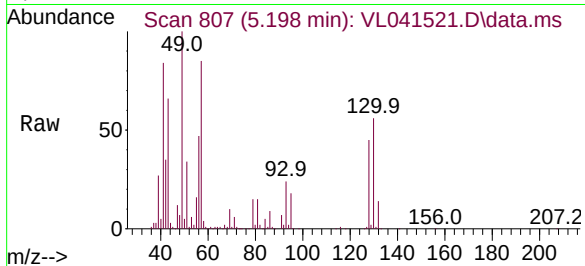




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.198 min Scan# 80
Delta R.T. 0.009 min
Lab File: VL041521.D
Acq: 8 Aug 2024 20:39

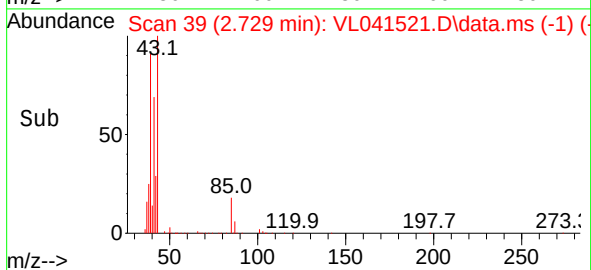
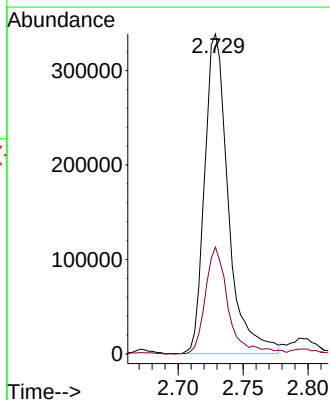
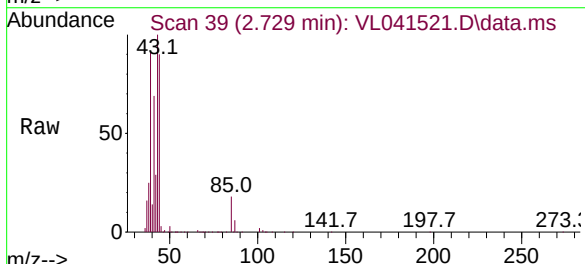
Instrument :
MSVOA_L
ClientSampleId :

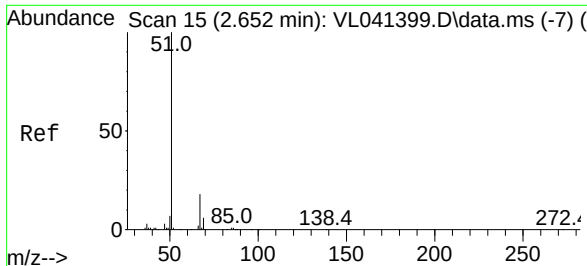
Tgt Ion: 49 Resp: 1158699
Ion Ratio Lower Upper
49 100
128 45.0 23.8 71.4
130 57.3 30.8 92.4



#2
Dichlorodifluoromethane
Concen: 2.151 ppbv
RT: 2.729 min Scan# 39
Delta R.T. -0.003 min
Lab File: VL041521.D
Acq: 8 Aug 2024 20:39

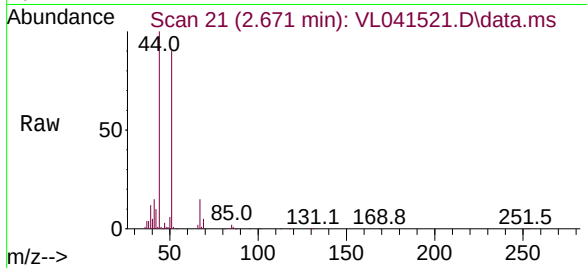
Tgt Ion: 85 Resp: 428839
Ion Ratio Lower Upper
85 100
87 33.4 26.0 39.0



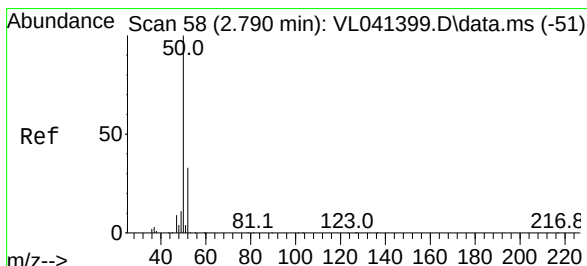
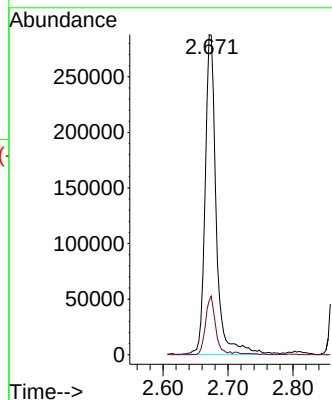
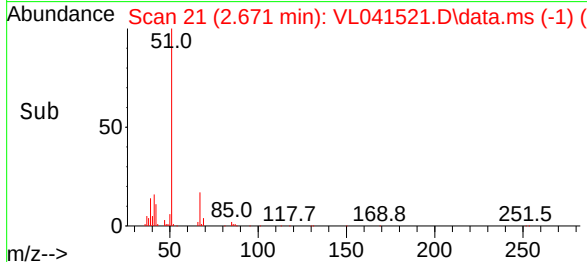


#3
Chlorodifluoromethane
Concen: 2.478 ppbv
RT: 2.671 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL041521.D
Acq: 8 Aug 2024 20:39

Instrument :
MSVOA_L
ClientSampleId :

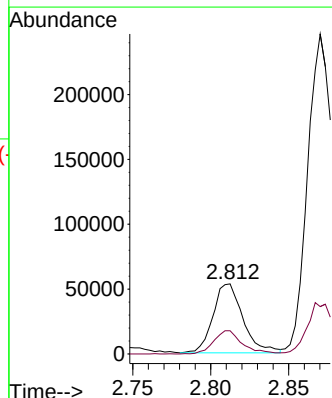
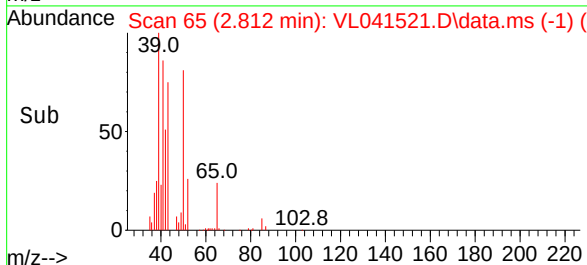
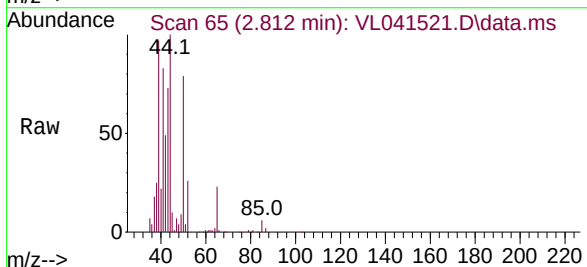


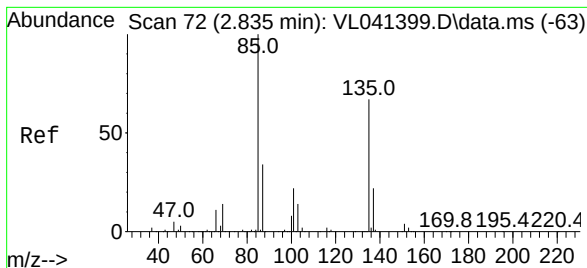
Tgt Ion: 51 Resp: 341811
Ion Ratio Lower Upper
51 100
67 17.5 14.5 21.7



#4
Chloromethane
Concen: 0.967 ppbv
RT: 2.812 min Scan# 65
Delta R.T. -0.003 min
Lab File: VL041521.D
Acq: 8 Aug 2024 20:39

Tgt Ion: 50 Resp: 70974
Ion Ratio Lower Upper
50 100
52 33.6 26.1 39.1

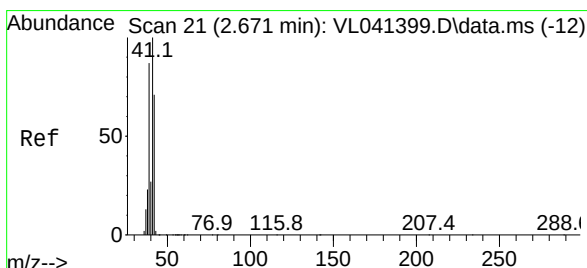
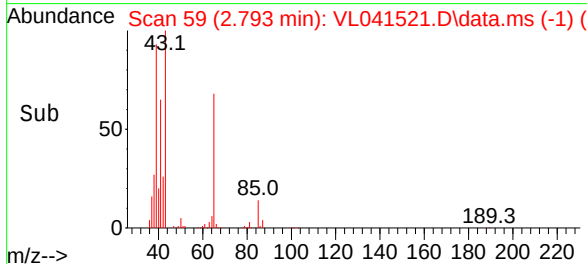
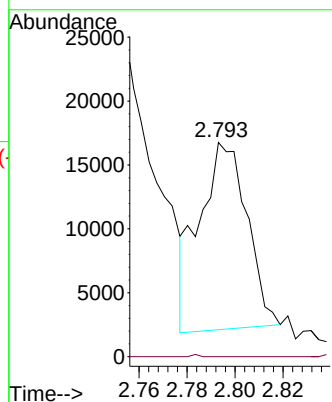
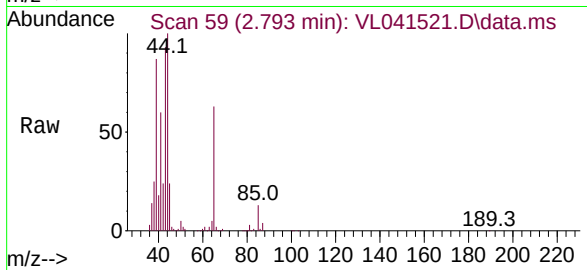




#8
 Dichlorotetrafluoroethane
 Concen: 0.114 ppbv
 RT: 2.793 min Scan# 51
 Delta R.T. -0.068 min
 Lab File: VL041521.D
 Acq: 8 Aug 2024 20:39

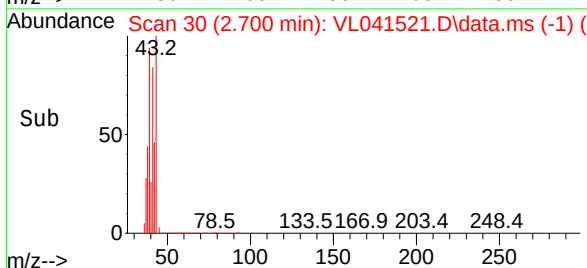
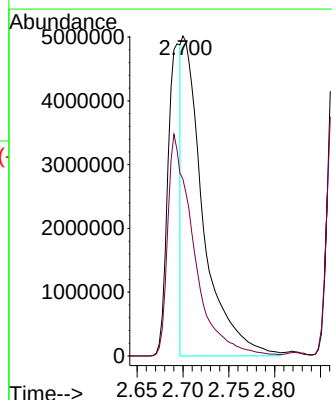
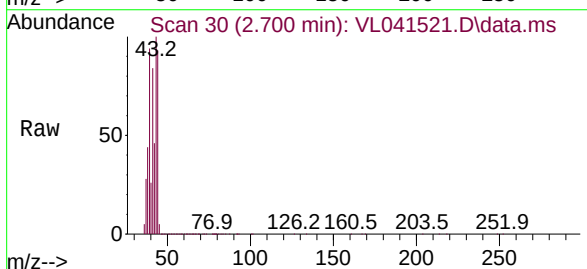
Instrument :
 MSVOA_L
 ClientSampleId :

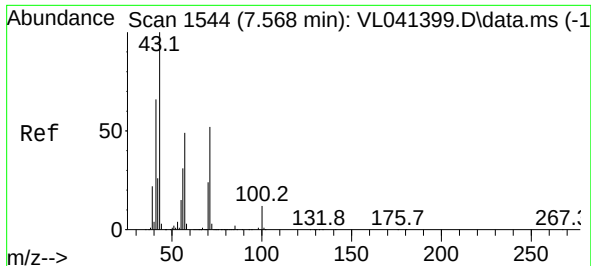
Tgt Ion: 85 Resp: 20097
 Ion Ratio Lower Upper
 85 100
 135 3.5 55.4 83.0#



#9
 Propene
 Concen: 128.411 ppbv
 RT: 2.700 min Scan# 30
 Delta R.T. 0.003 min
 Lab File: VL041521.D
 Acq: 8 Aug 2024 20:39

Tgt Ion: 41 Resp: 8136868
 Ion Ratio Lower Upper
 41 100
 42 0.0 55.9 83.9#

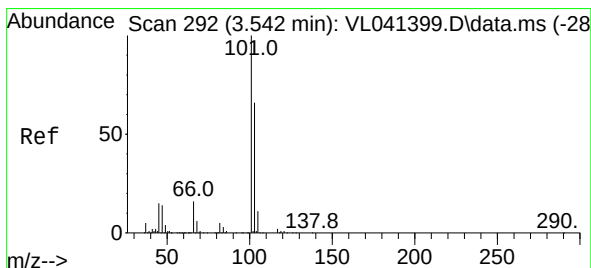
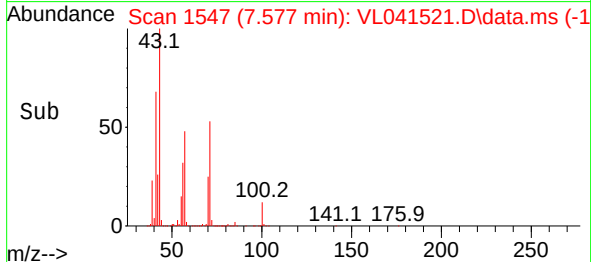
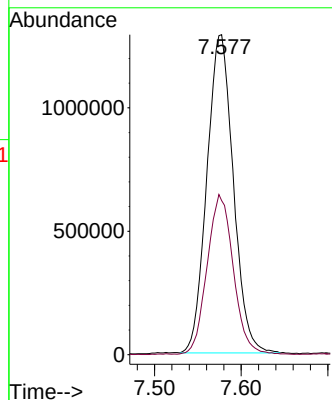
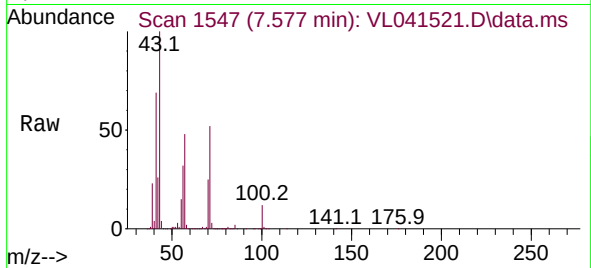




#10
Heptane
Concen: 19.194 ppbv
RT: 7.577 min Scan# 1544
Delta R.T. 0.003 min
Lab File: VL041521.D
Acq: 8 Aug 2024 20:39

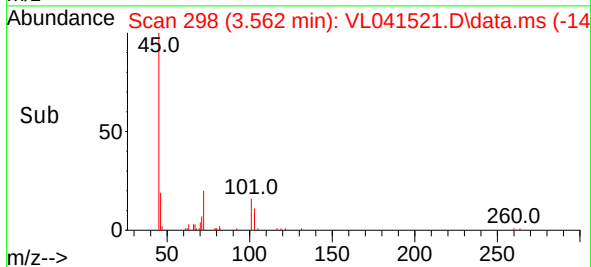
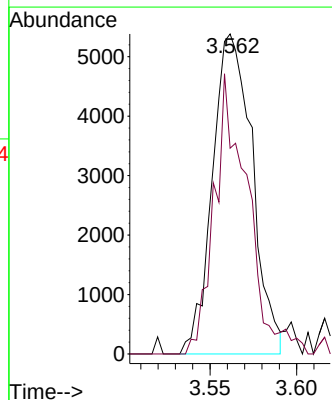
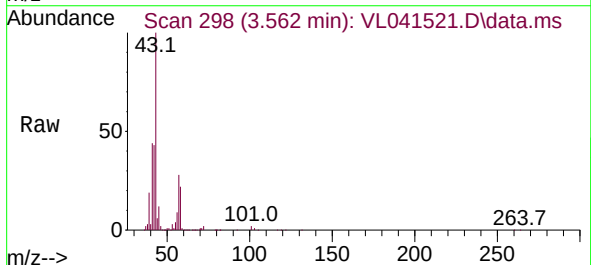
Instrument :
MSVOA_L
ClientSampleId :

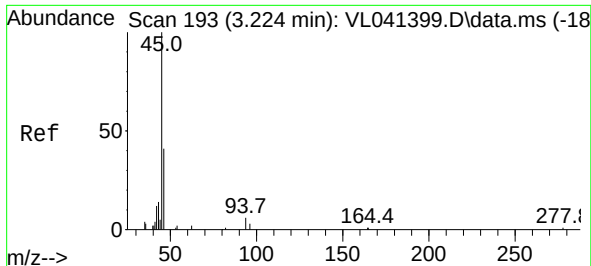
Tgt Ion: 43 Resp: 2732714
Ion Ratio Lower Upper
43 100
57 50.0 40.5 60.7



#11
Trichlorofluoromethane
Concen: 0.049 ppbv
RT: 3.562 min Scan# 298
Delta R.T. -0.000 min
Lab File: VL041521.D
Acq: 8 Aug 2024 20:39

Tgt Ion:101 Resp: 8604
Ion Ratio Lower Upper
101 100
103 64.3 52.6 79.0





#13

Ethanol

Concen: 736.645 ppbv

RT: 3.246 min Scan# 20

Delta R.T. 0.003 min

Lab File: VL041521.D

Acq: 8 Aug 2024 20:39

Instrument :

MSVOA_L

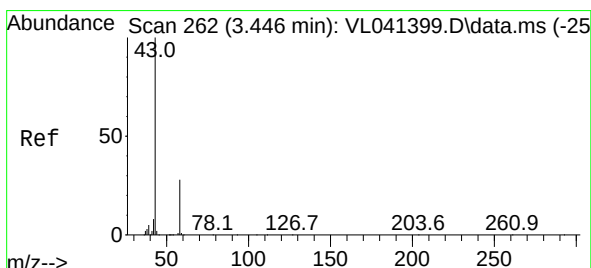
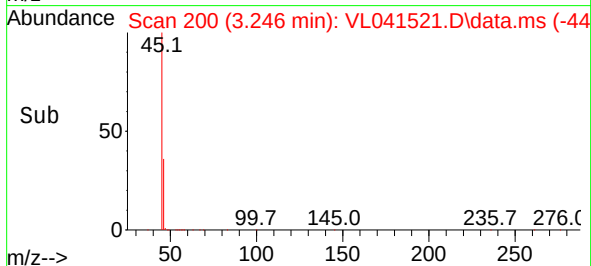
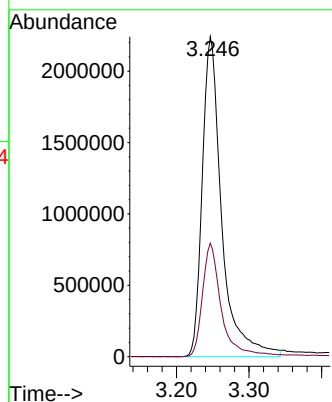
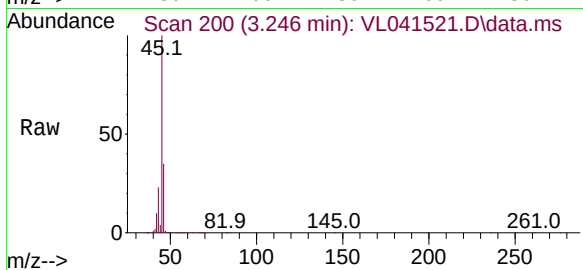
ClientSampleId :

Tgt Ion: 45 Resp: 4171963

Ion Ratio Lower Upper

45 100

46 35.5 13.4 53.4



#15

Acetone

Concen: 186.599 ppbv

RT: 3.465 min Scan# 268

Delta R.T. -0.003 min

Lab File: VL041521.D

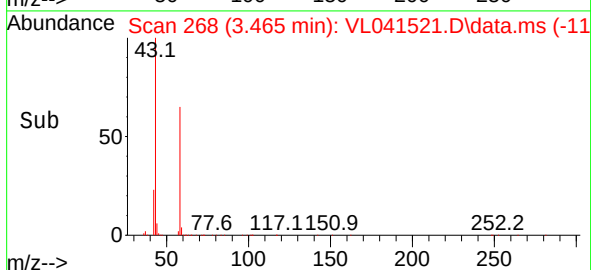
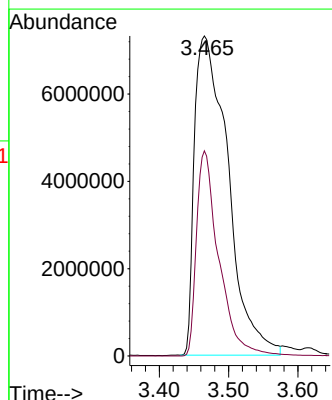
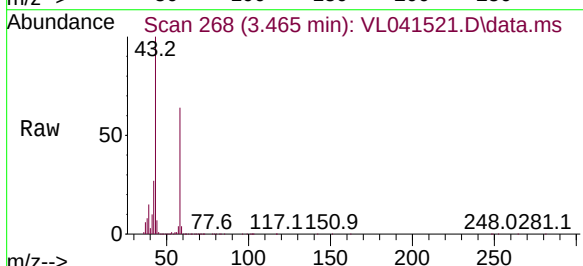
Acq: 8 Aug 2024 20:39

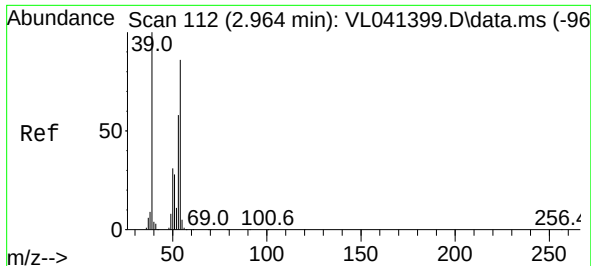
Tgt Ion: 43 Resp: 24566204

Ion Ratio Lower Upper

43 100

58 43.3 21.4 32.2#





#16

1,3-Butadiene

Concen: 78.821 ppbv

RT: 3.009 min Scan# 11

Delta R.T. 0.022 min

Lab File: VL041521.D

Acq: 8 Aug 2024 20:39

Instrument :

MSVOA_L

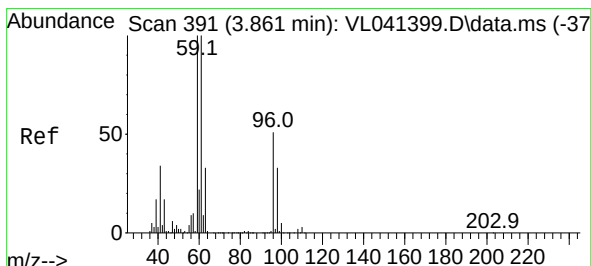
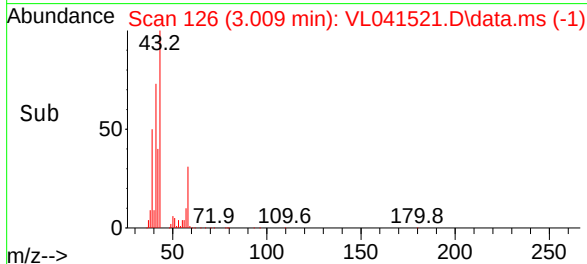
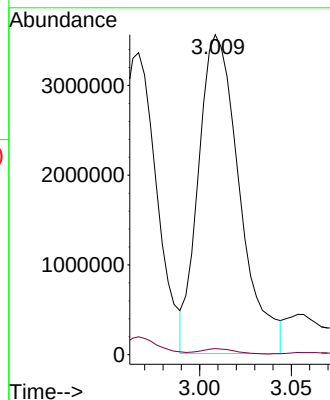
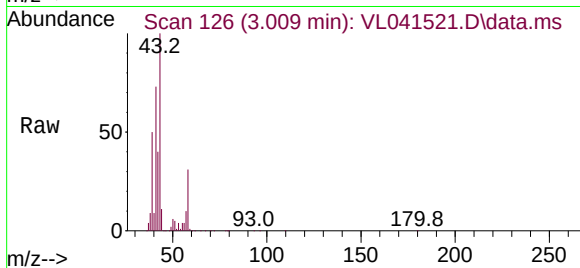
ClientSampleId :

Tgt Ion: 39 Resp: 5544143

Ion Ratio Lower Upper

39 100

54 1.8 62.5 93.7#



#17

tert-Butyl alcohol

Concen: 5.690 ppbv

RT: 3.890 min Scan# 400

Delta R.T. 0.013 min

Lab File: VL041521.D

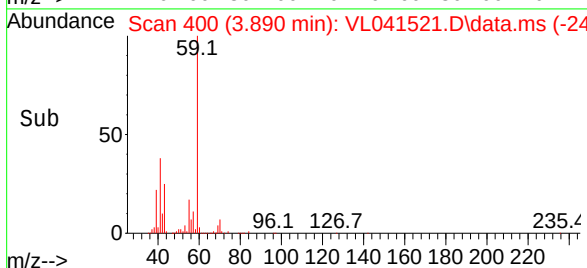
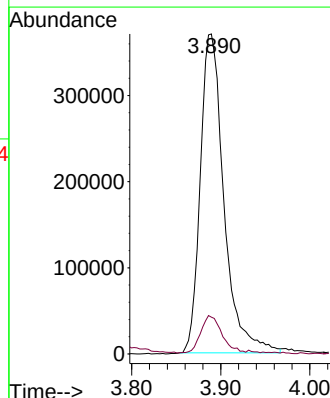
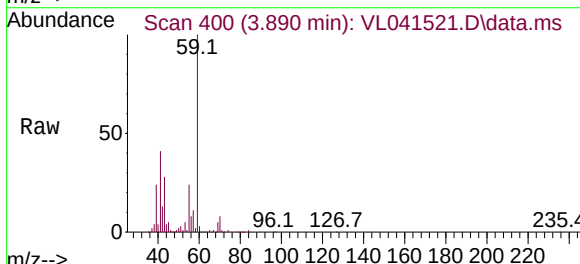
Acq: 8 Aug 2024 20:39

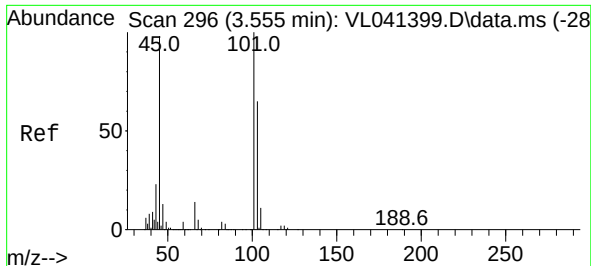
Tgt Ion: 59 Resp: 683241

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#





#19

Isopropyl Alcohol

Concen: 7.652 ppbv

RT: 3.584 min Scan# 305

Delta R.T. 0.010 min

Lab File: VL041521.D

Acq: 8 Aug 2024 20:39

Instrument :

MSVOA_L

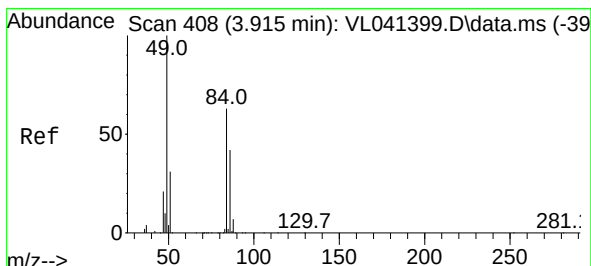
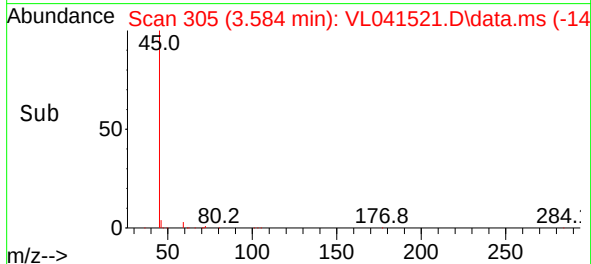
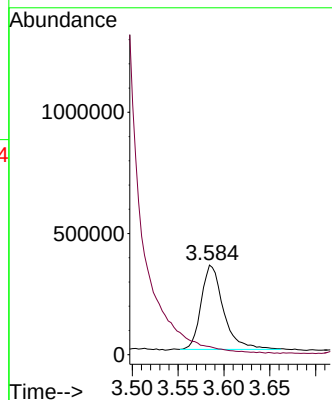
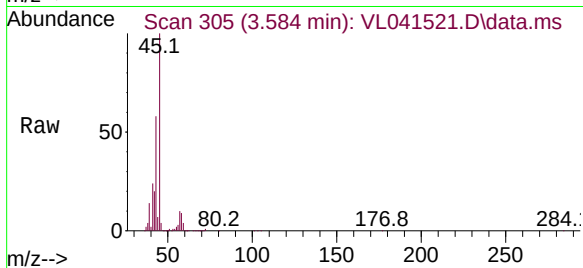
ClientSampleId :

Tgt Ion: 45 Resp: 588940

Ion Ratio Lower Upper

45 100

58 0.0 1.9 2.9#



#20

Methylene Chloride

Concen: 16.931 ppbv

RT: 3.938 min Scan# 415

Delta R.T. 0.006 min

Lab File: VL041521.D

Acq: 8 Aug 2024 20:39

Tgt Ion: 84 Resp: 831208

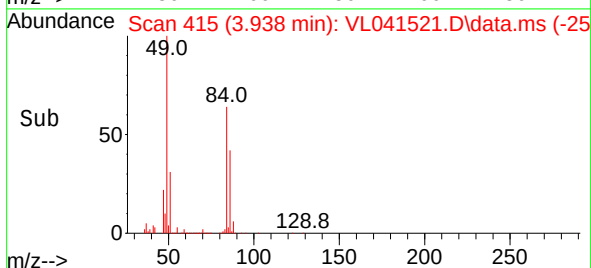
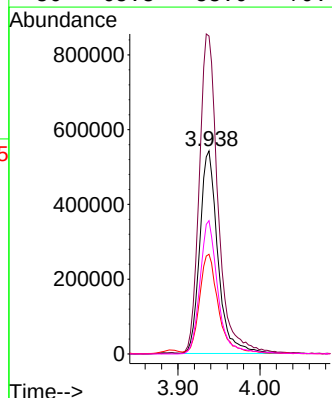
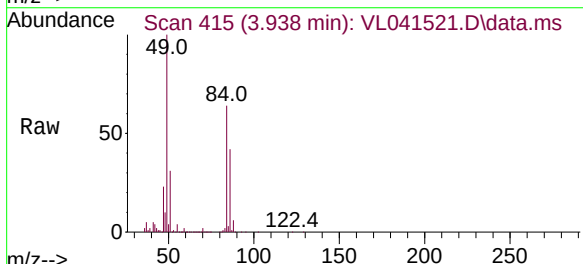
Ion Ratio Lower Upper

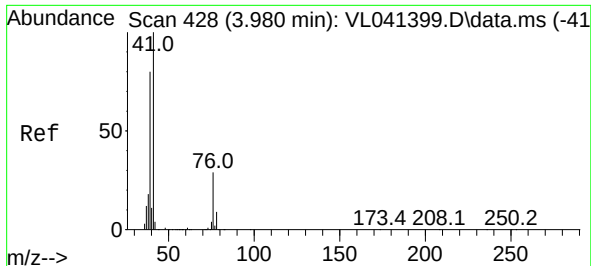
84 100

49 156.6 126.6 190.0

51 48.8 38.6 58.0

86 65.8 53.0 79.4





#21

Allyl Chloride

Concen: 1.471 ppbv

RT: 3.954 min Scan# 41

Delta R.T. -0.042 min

Lab File: VL041521.D

Acq: 8 Aug 2024 20:39

Instrument :

MSVOA_L

ClientSampleId :

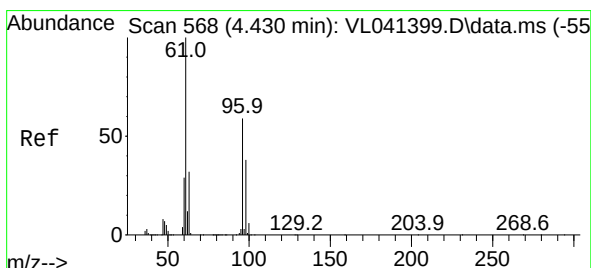
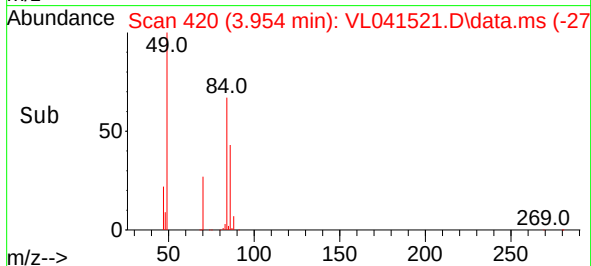
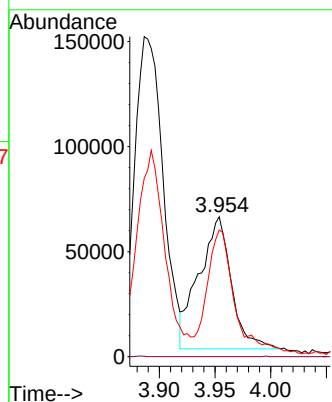
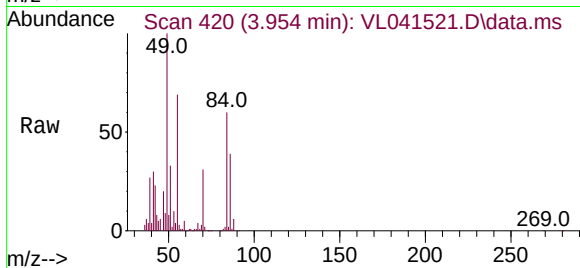
Tgt Ion: 41 Resp: 126966

Ion Ratio Lower Upper

41 100

76 0.0 23.7 35.5#

39 82.5 64.3 96.5



#22

trans-1,2-Dichloroethene

Concen: 0.036 ppbv

RT: 4.446 min Scan# 573

Delta R.T. 0.003 min

Lab File: VL041521.D

Acq: 8 Aug 2024 20:39

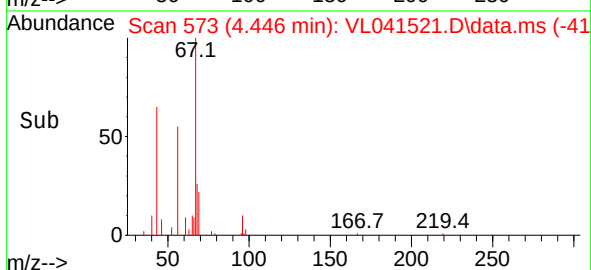
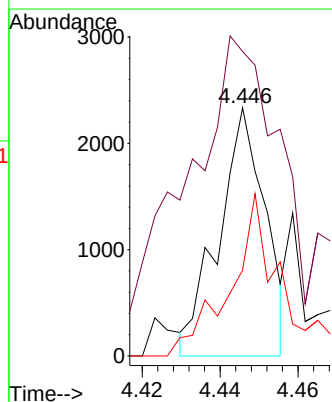
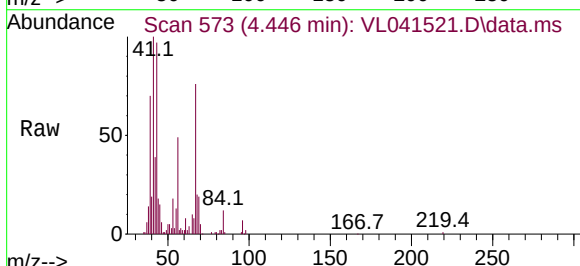
Tgt Ion: 96 Resp: 1939

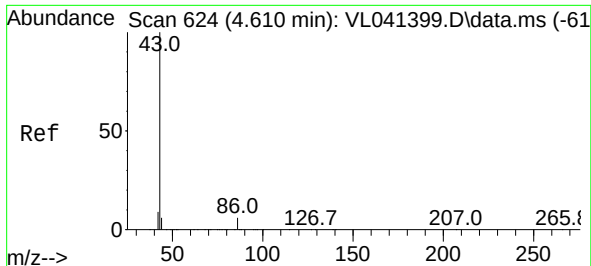
Ion Ratio Lower Upper

96 100

61 66.2 135.4 203.2#

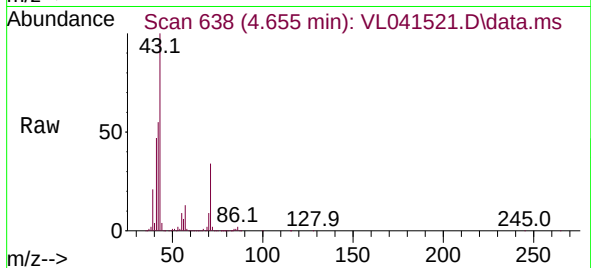
98 30.1 51.0 76.4#





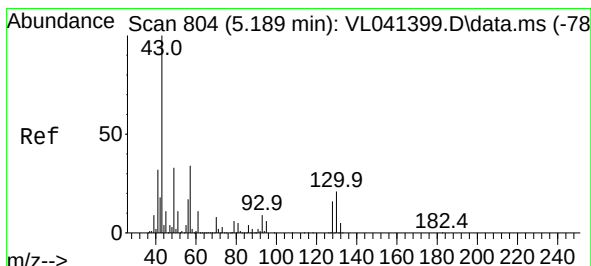
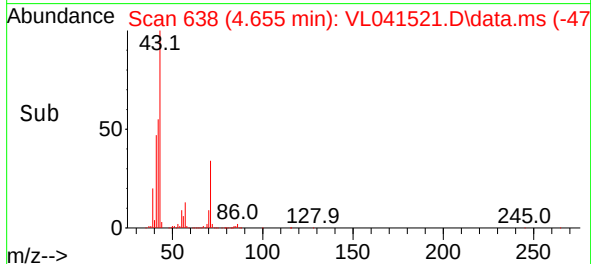
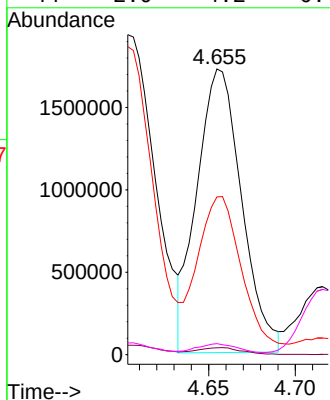
#23
 Vinyl Acetate
 Concen: 30.755 ppbv
 RT: 4.655 min Scan# 61
 Delta R.T. 0.029 min
 Lab File: VL041521.D
 Acq: 8 Aug 2024 20:39

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion: 43 Resp: 3092385

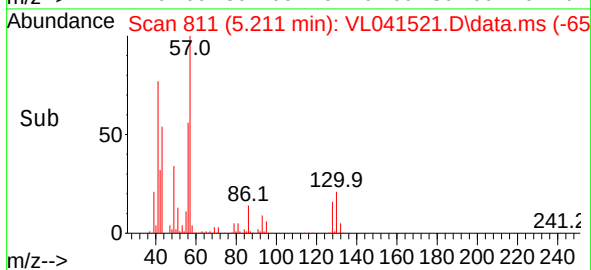
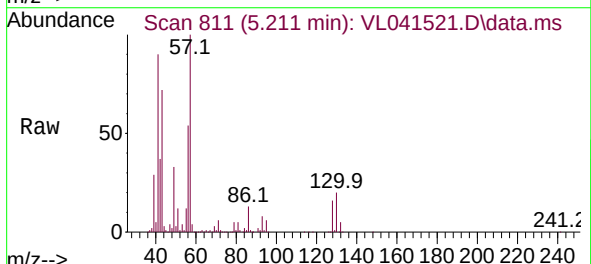
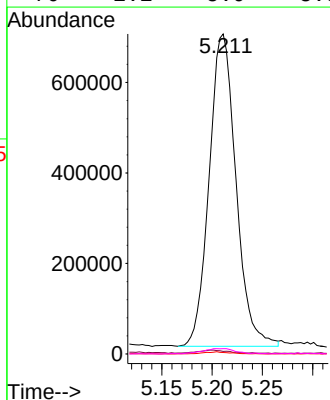
Ion	Ratio	Lower	Upper
43	100		
86	2.4	4.6	6.8#
42	55.7	7.9	11.9#
44	2.9	4.2	6.4#

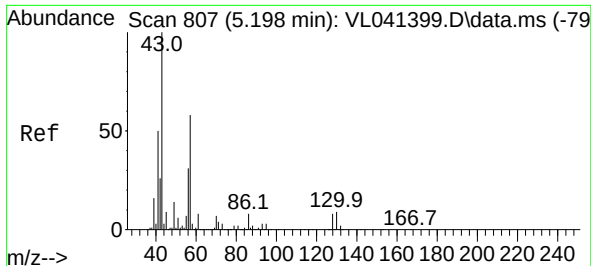


#25
 Ethyl Acetate
 Concen: 4.906 ppbv
 RT: 5.211 min Scan# 811
 Delta R.T. 0.010 min
 Lab File: VL041521.D
 Acq: 8 Aug 2024 20:39

Tgt Ion: 43 Resp: 1283069

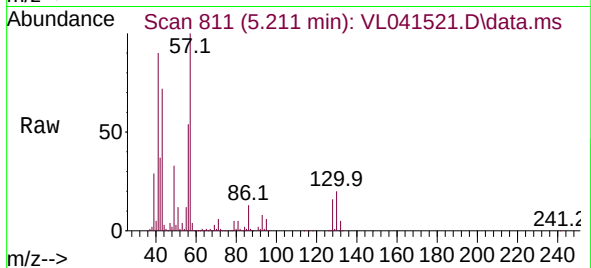
Ion	Ratio	Lower	Upper
43	100		
45	1.3	8.5	12.7#
61	0.7	8.0	12.0#
70	2.2	5.9	8.9#





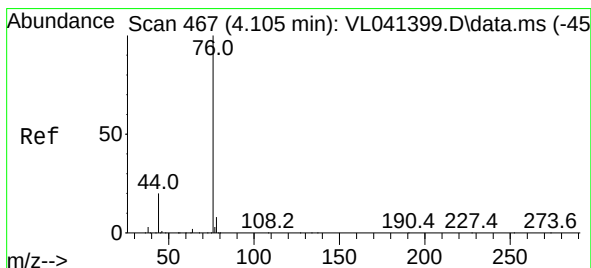
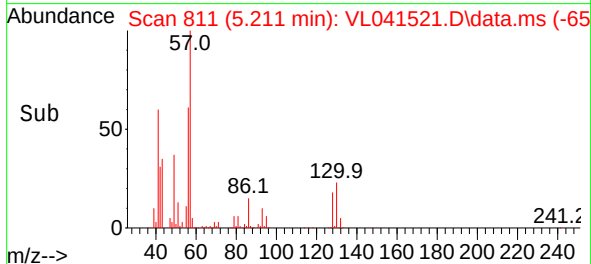
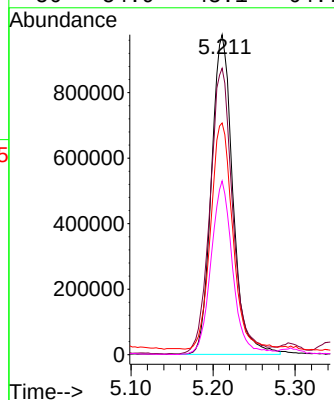
#26
Hexane
Concen: 16.312 ppbv
RT: 5.211 min Scan# 811
Delta R.T. -0.000 min
Lab File: VL041521.D
Acq: 8 Aug 2024 20:39

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 57 Resp: 1769787

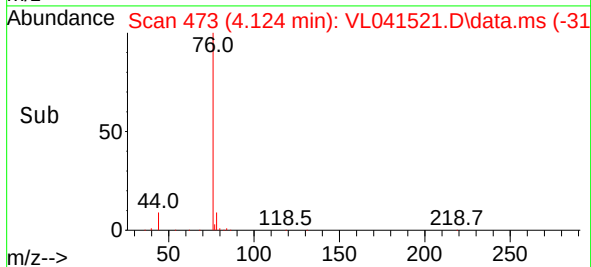
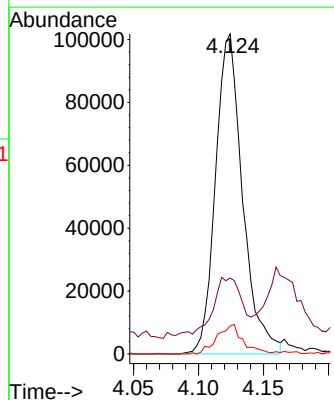
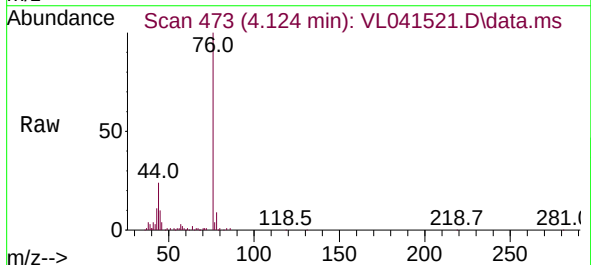
Ion	Ratio	Lower	Upper
57	100		
41	95.3	74.0	111.0
43	77.2	193.6	290.4
56	54.9	43.1	64.7

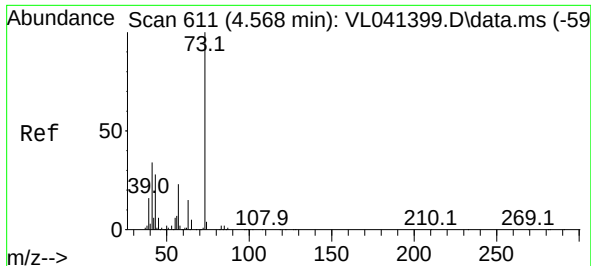


#27
Carbon Disulfide
Concen: 1.161 ppbv
RT: 4.124 min Scan# 473
Delta R.T. -0.000 min
Lab File: VL041521.D
Acq: 8 Aug 2024 20:39

Tgt Ion: 76 Resp: 147375

Ion	Ratio	Lower	Upper
76	100		
44	21.1	15.6	23.4
78	9.4	7.7	11.5





#28

Methyl tert-Butyl Ether

Concen: 0.153 ppbv

RT: 4.713 min Scan# 611

Delta R.T. 0.132 min

Lab File: VL041521.D

Acq: 8 Aug 2024 20:39

Instrument :

MSVOA_L

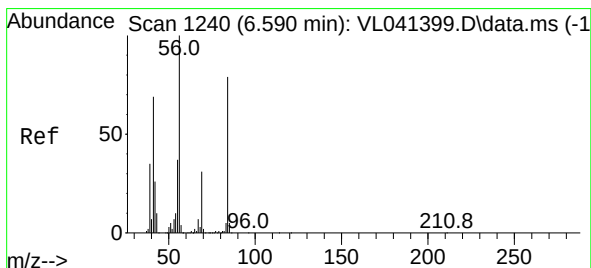
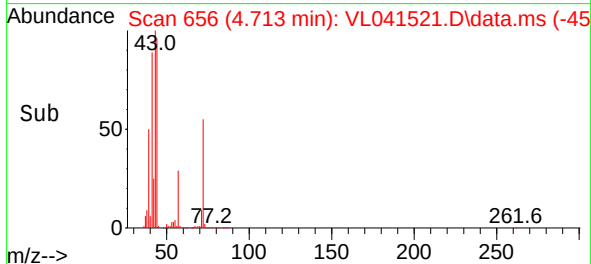
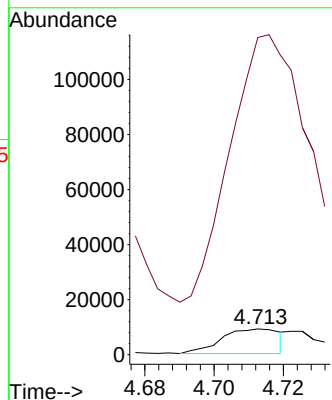
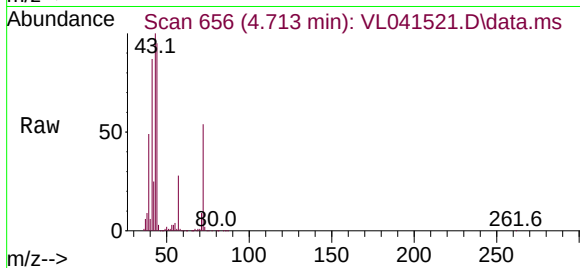
ClientSampleId :

Tgt Ion: 73 Resp: 10480

Ion Ratio Lower Upper

73 100

57 1615.7 18.9 28.3#



#30

Cyclohexane

Concen: 10.539 ppbv

RT: 6.600 min Scan# 1243

Delta R.T. 0.003 min

Lab File: VL041521.D

Acq: 8 Aug 2024 20:39

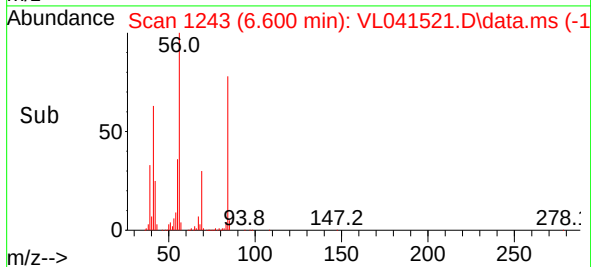
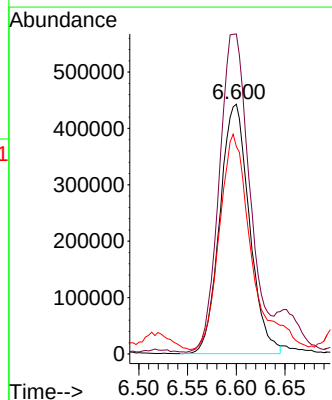
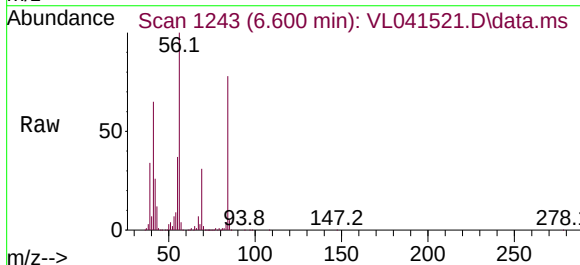
Tgt Ion: 84 Resp: 931116

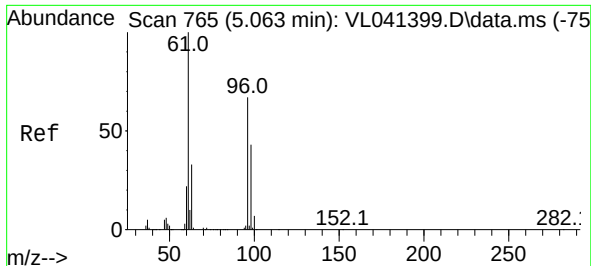
Ion Ratio Lower Upper

84 100

56 144.9 111.2 166.8

41 95.6 70.3 105.5





#31

cis-1,2-Dichloroethene

Concen: 0.087 ppbv

RT: 5.082 min Scan# 71

Delta R.T. 0.006 min

Lab File: VL041521.D

Acq: 8 Aug 2024 20:39

Instrument :

MSVOA_L

ClientSampleId :

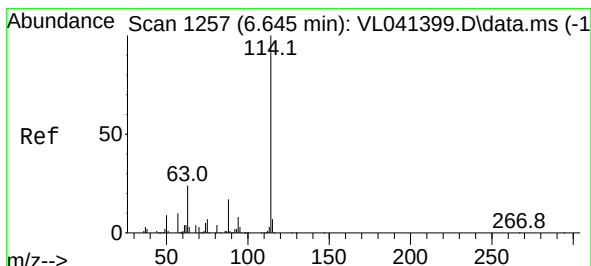
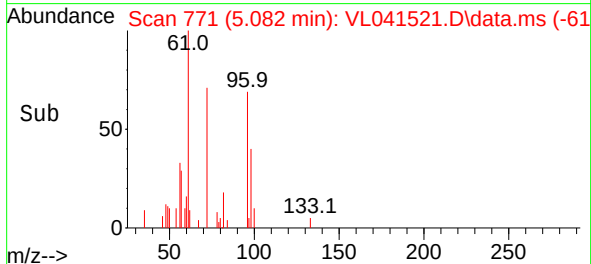
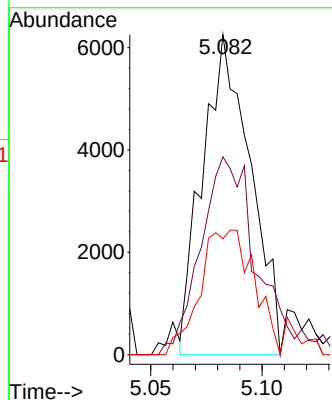
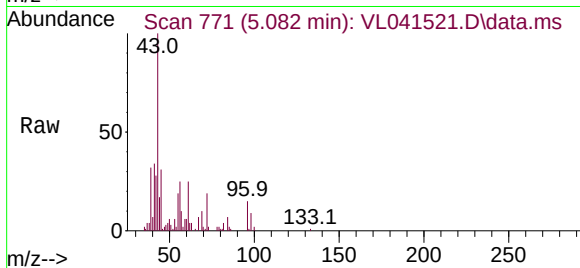
Tgt Ion: 61 Resp: 9333

Ion Ratio Lower Upper

61 100

96 51.7 53.4 80.2#

98 36.3 34.4 51.6



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.658 min Scan# 1261

Delta R.T. 0.010 min

Lab File: VL041521.D

Acq: 8 Aug 2024 20:39

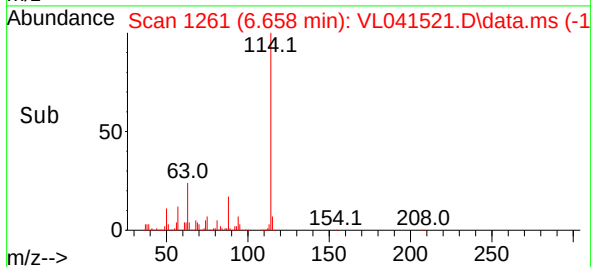
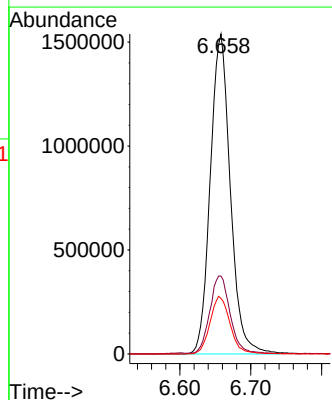
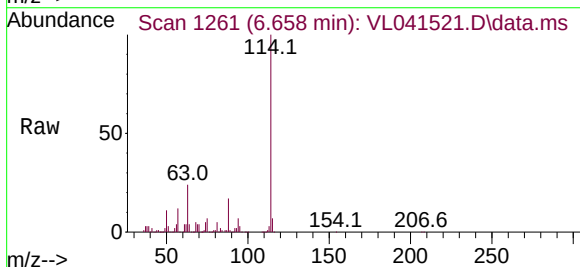
Tgt Ion:114 Resp: 3020200

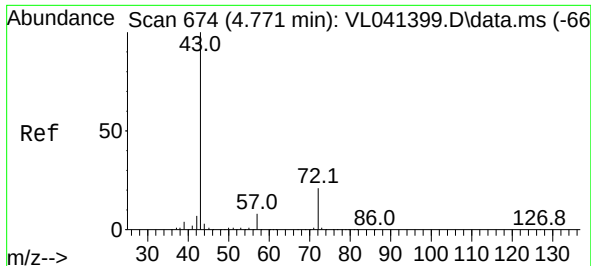
Ion Ratio Lower Upper

114 100

63 25.4 20.3 30.5

88 18.0 14.3 21.5





#34

2-Butanone

Concen: 179.995 ppbv

RT: 4.796 min Scan# 61

Delta R.T. 0.013 min

Lab File: VL041521.D

Acq: 8 Aug 2024 20:39

Instrument :

MSVOA_L

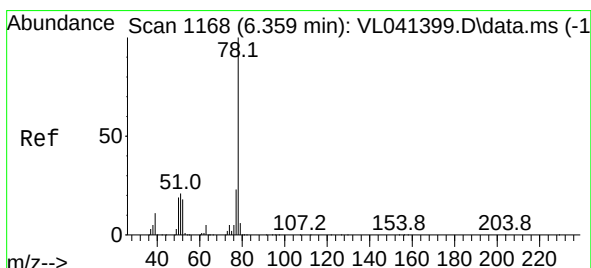
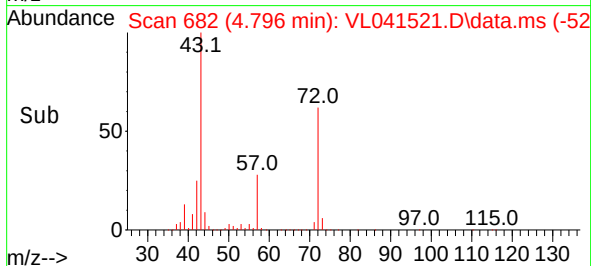
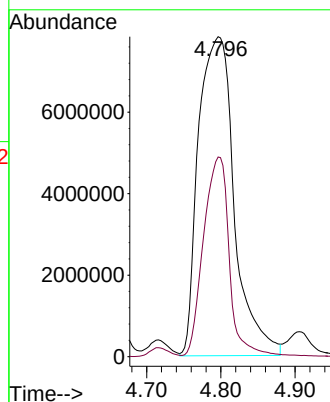
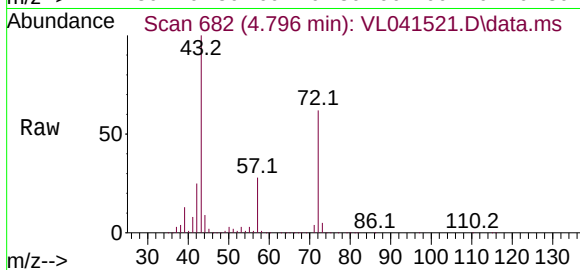
ClientSampleId :

Tgt Ion: 43 Resp:26296800

Ion Ratio Lower Upper

43 100

72 45.2 17.3 25.9#



#36

Benzene

Concen: 3.422 ppbv

RT: 6.369 min Scan# 1171

Delta R.T. -0.000 min

Lab File: VL041521.D

Acq: 8 Aug 2024 20:39

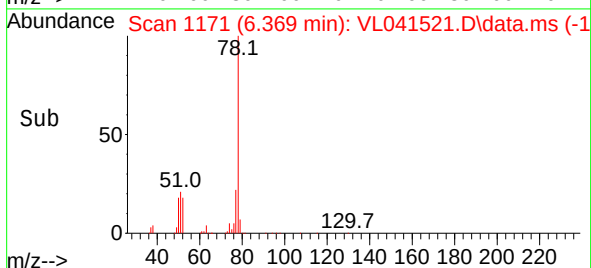
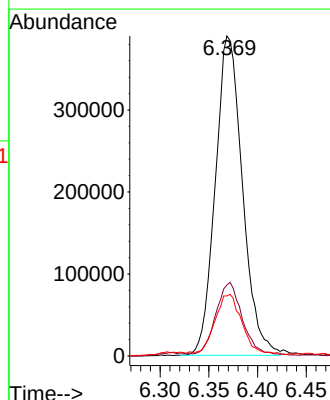
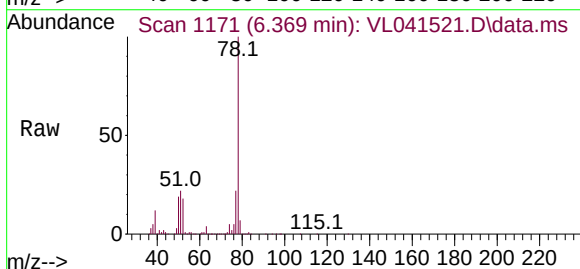
Tgt Ion: 78 Resp: 755120

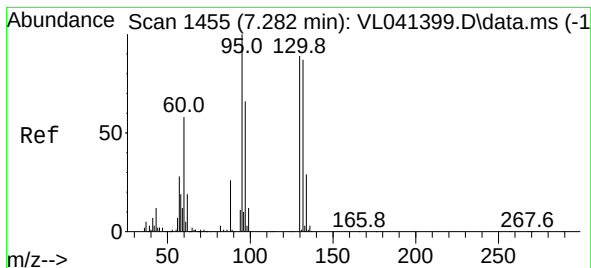
Ion Ratio Lower Upper

78 100

77 21.7 18.1 27.1

50 18.0 15.5 23.3





#38

Trichloroethene

Concen: 0.040 ppbv

RT: 7.295 min Scan# 1455

Delta R.T. 0.006 min

Lab File: VL041521.D

Acq: 8 Aug 2024 20:39

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:130 Resp: 4065

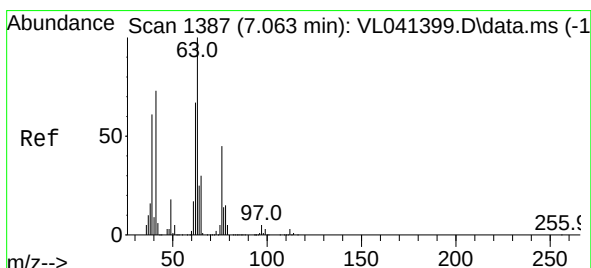
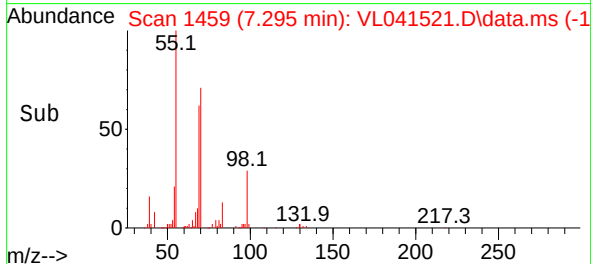
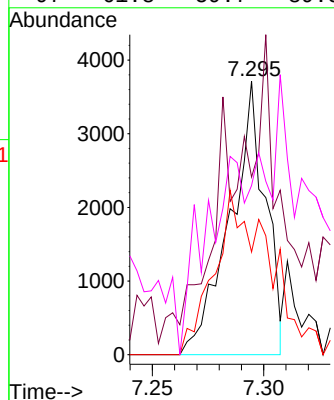
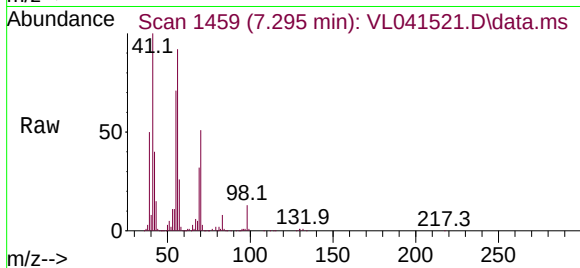
Ion Ratio Lower Upper

130 100

95 54.0 90.2 135.2#

132 37.6 78.1 117.1#

97 61.8 59.7 89.5



#39

1,2-Dichloropropane

Concen: 8.580 ppbv

RT: 6.658 min Scan# 1261

Delta R.T. -0.412 min

Lab File: VL041521.D

Acq: 8 Aug 2024 20:39

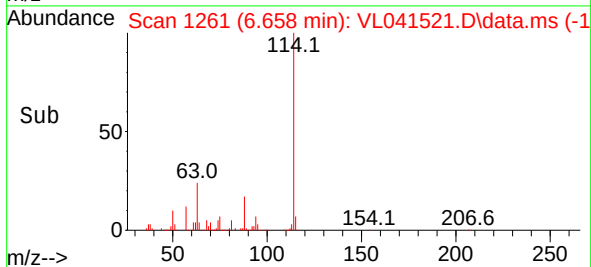
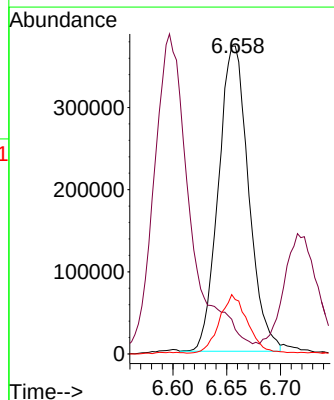
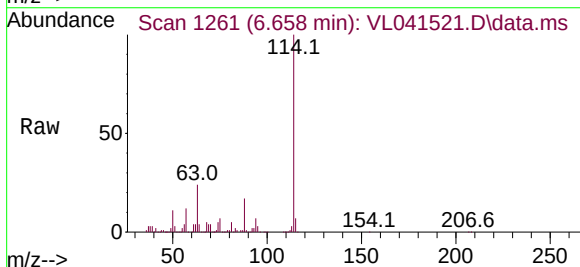
Tgt Ion: 63 Resp: 724874

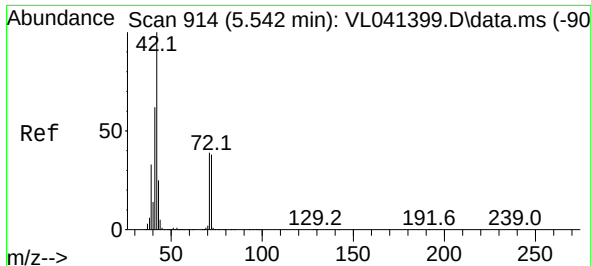
Ion Ratio Lower Upper

63 100

41 0.0 58.3 87.5#

62 17.4 53.9 80.9#





#41

Tetrahydrofuran

Concen: 0.329 ppbv

RT: 5.491 min Scan# 80

Delta R.T. -0.061 min

Lab File: VL041521.D

Acq: 8 Aug 2024 20:39

Instrument :

MSVOA_L

ClientSampleId :

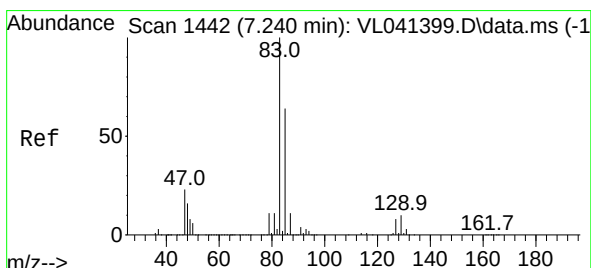
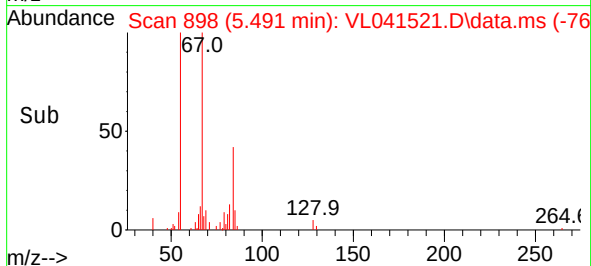
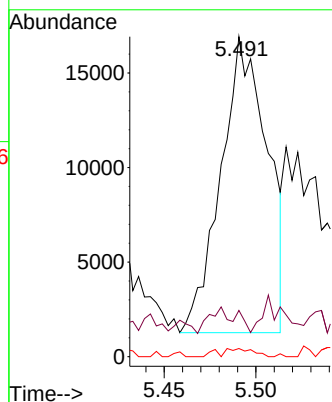
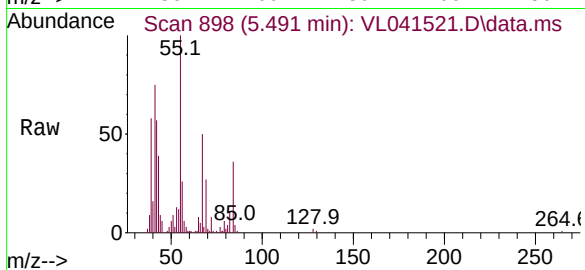
Tgt Ion: 42 Resp: 27491

Ion Ratio Lower Upper

42 100

72 3.0 31.2 46.8#

71 0.0 30.5 45.7#



#42

Bromodichloromethane

Concen: 0.687 ppbv

RT: 7.269 min Scan# 1451

Delta R.T. 0.022 min

Lab File: VL041521.D

Acq: 8 Aug 2024 20:39

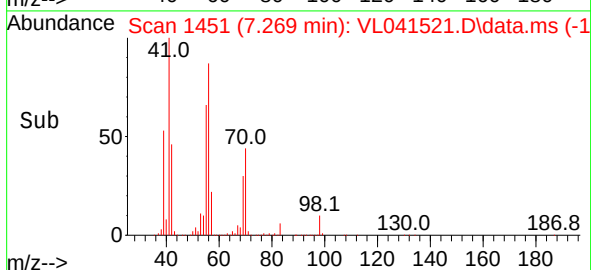
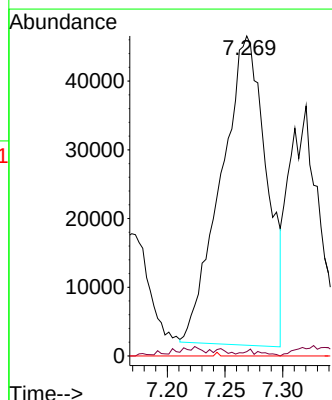
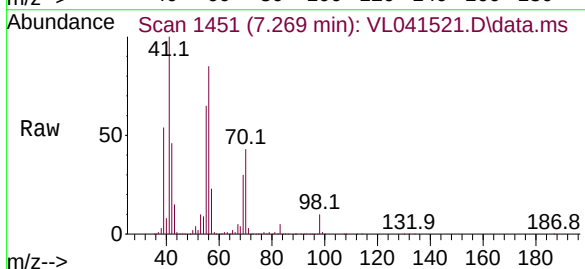
Tgt Ion: 83 Resp: 122522

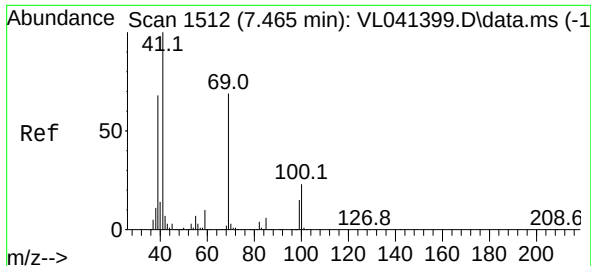
Ion Ratio Lower Upper

83 100

85 1.4 51.4 77.0#

127 0.0 6.7 10.1#





#43

Methyl Methacrylate

Concen: 0.145 ppbv

RT: 7.507 min Scan# 1

Delta R.T. 0.039 min

Lab File: VL041521.D

Acq: 8 Aug 2024 20:39

Instrument :

MSVOA_L

ClientSampleId :

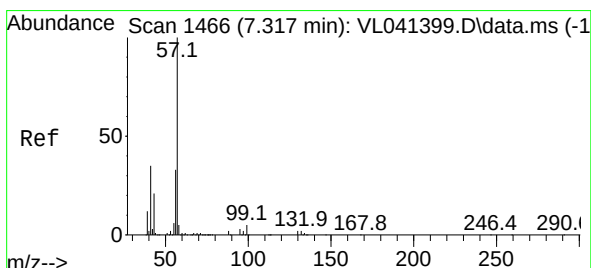
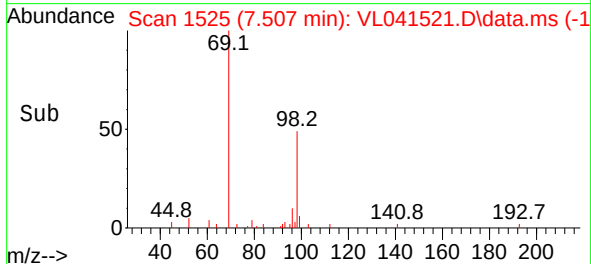
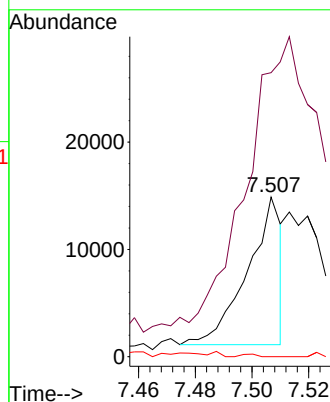
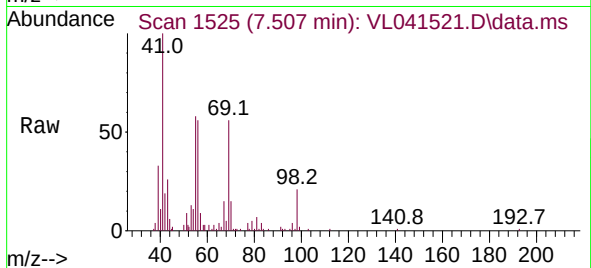
Tgt Ion: 69 Resp: 11445

Ion Ratio Lower Upper

69 100

41 0.0 118.7 178.1#

100 0.0 27.0 40.4#



#44

2,2,4-Trimethylpentane

Concen: 0.749 ppbv

RT: 7.320 min Scan# 1467

Delta R.T. -0.000 min

Lab File: VL041521.D

Acq: 8 Aug 2024 20:39

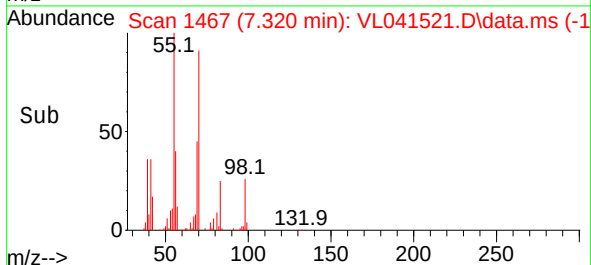
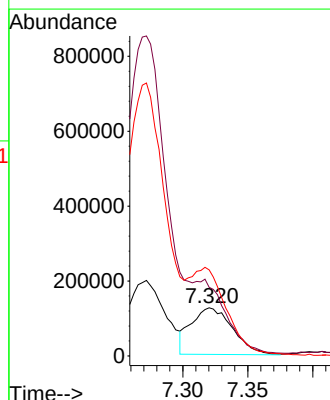
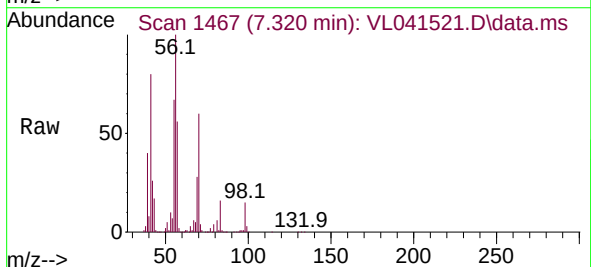
Tgt Ion: 57 Resp: 276039

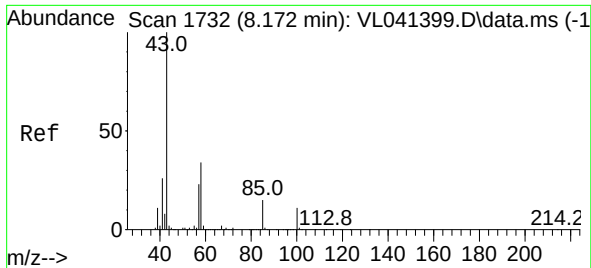
Ion Ratio Lower Upper

57 100

41 0.0 27.0 40.6#

56 0.0 25.2 37.8#





#50

4-Methyl-2-Pentanone

Concen: 0.576 ppbv

RT: 8.185 min Scan# 1

Delta R.T. 0.010 min

Lab File: VL041521.D

Acq: 8 Aug 2024 20:39

Instrument :

MSVOA_L

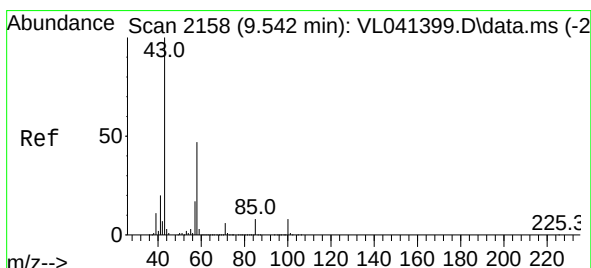
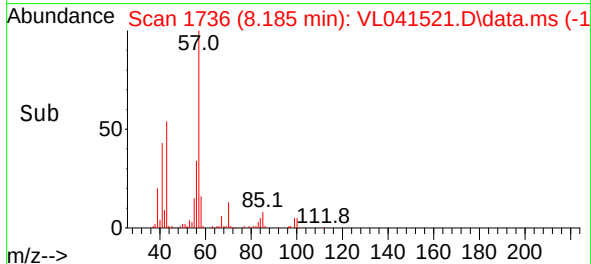
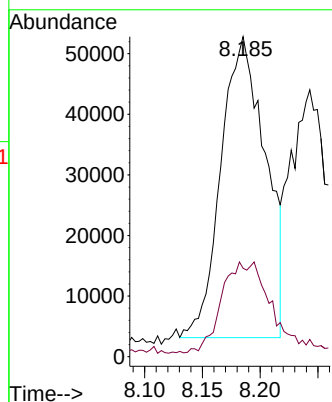
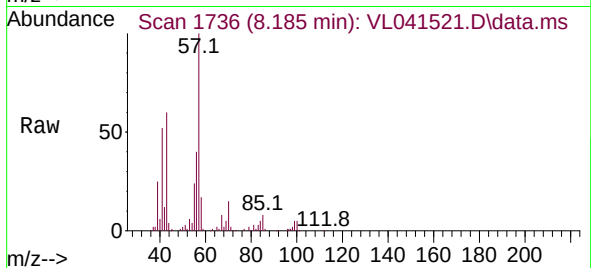
ClientSampleId :

Tgt Ion: 43 Resp: 132746

Ion Ratio Lower Upper

43 100

58 36.7 27.9 41.9



#51

2-Hexanone

Concen: 6.097 ppbv

RT: 9.539 min Scan# 2157

Delta R.T. -0.006 min

Lab File: VL041521.D

Acq: 8 Aug 2024 20:39

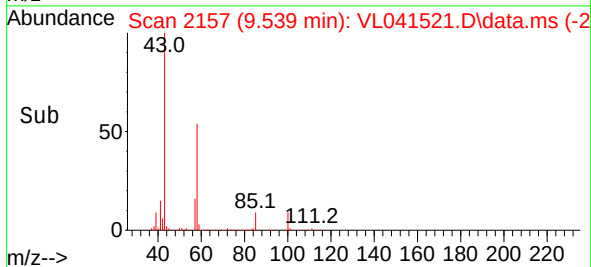
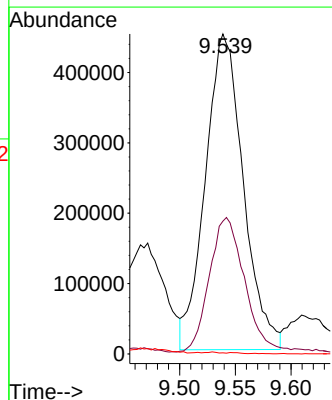
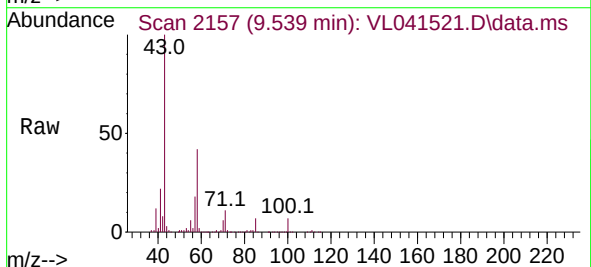
Tgt Ion: 43 Resp: 1062695

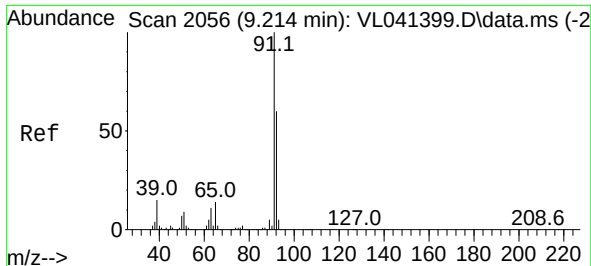
Ion Ratio Lower Upper

43 100

58 41.8 38.2 57.2

98 0.0 0.3 0.5#





#53

Toluene

Concen: 1.916 ppbv

RT: 9.217 min Scan# 2056

Delta R.T. -0.000 min

Lab File: VL041521.D

Acq: 8 Aug 2024 20:39

Instrument :

MSVOA_L

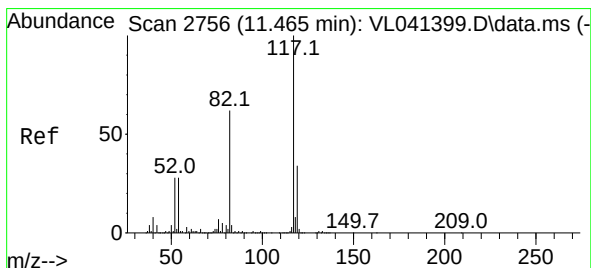
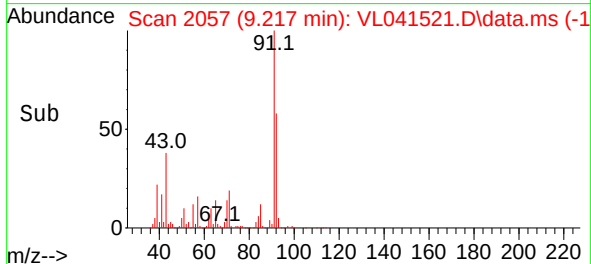
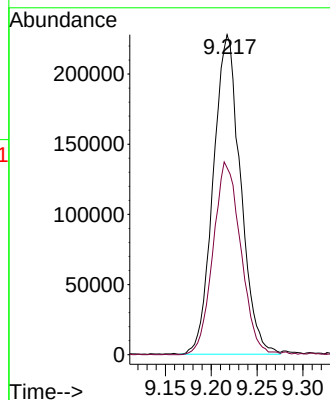
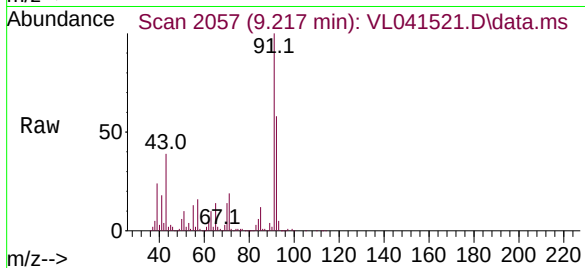
ClientSampleId :

Tgt Ion: 91 Resp: 471021

Ion Ratio Lower Upper

91 100

92 61.7 48.7 73.1



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.462 min Scan# 2755

Delta R.T. -0.000 min

Lab File: VL041521.D

Acq: 8 Aug 2024 20:39

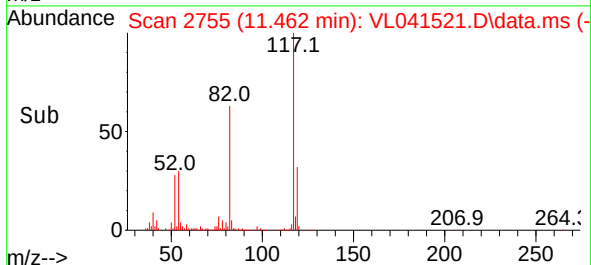
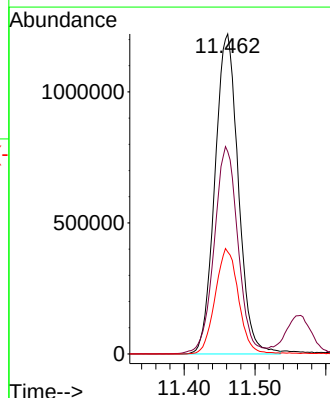
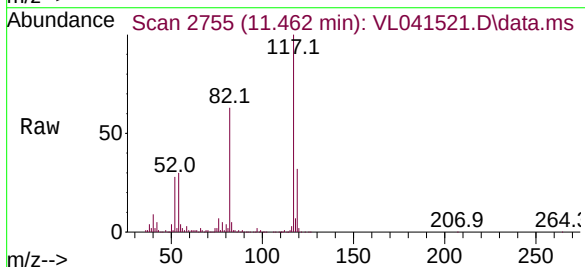
Tgt Ion: 117 Resp: 2809147

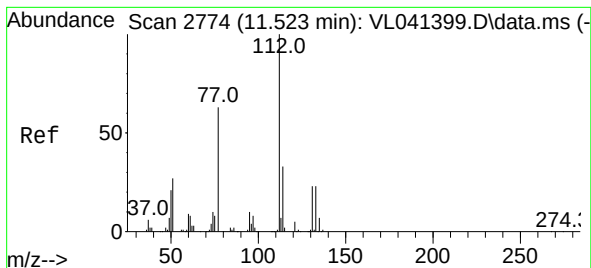
Ion Ratio Lower Upper

117 100

82 65.8 51.0 76.6

119 33.2 45.2 67.8#

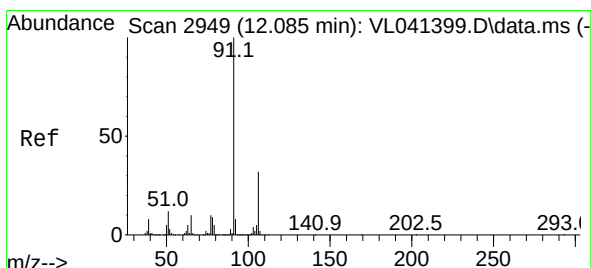
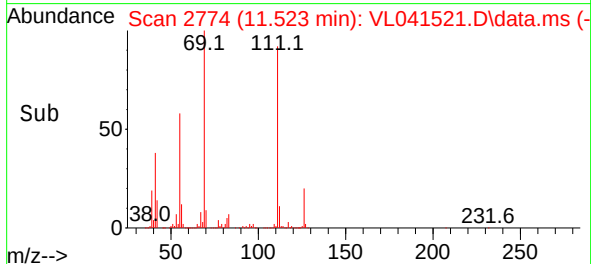
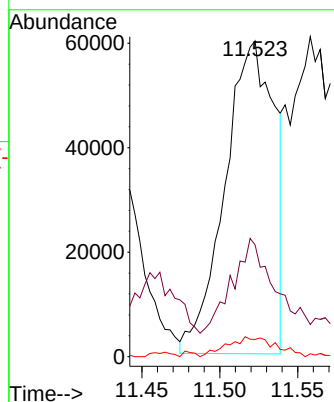
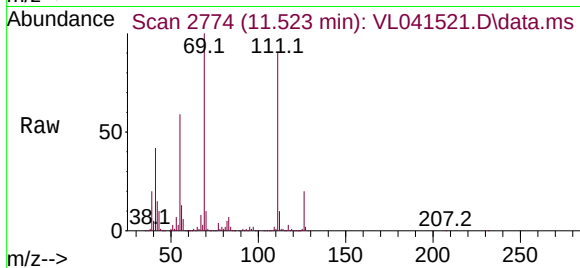




#57
Chlorobenzene
Concen: 0.663 ppbv
RT: 11.523 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041521.D
Acq: 8 Aug 2024 20:39

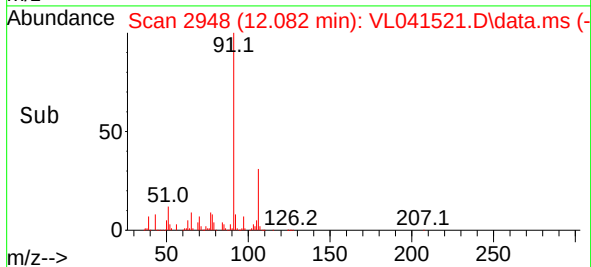
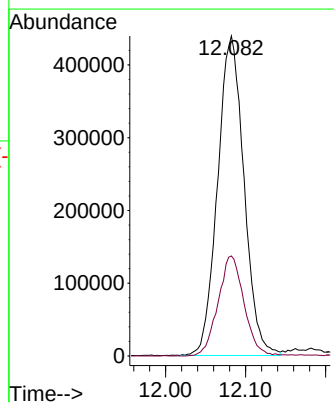
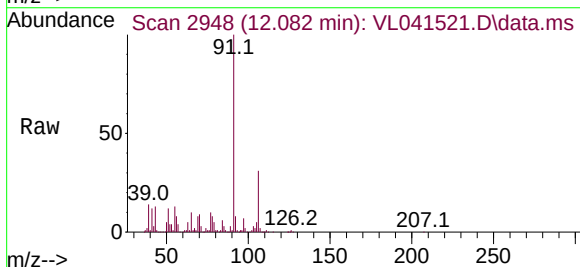
Instrument :
MSVOA_L
ClientSampleId :

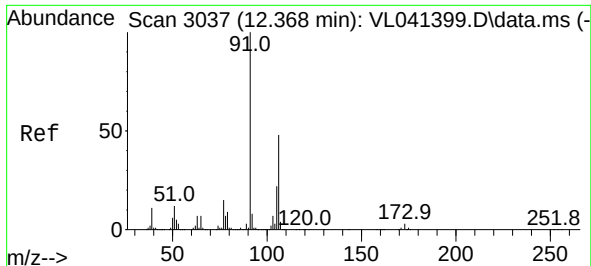
Tgt Ion:112 Resp: 132659
Ion Ratio Lower Upper
112 100
77 18.3 51.1 76.7#
114 5.8 29.5 36.1#



#58
Ethyl Benzene
Concen: 3.109 ppbv
RT: 12.082 min Scan# 2948
Delta R.T. -0.003 min
Lab File: VL041521.D
Acq: 8 Aug 2024 20:39

Tgt Ion: 91 Resp: 1006642
Ion Ratio Lower Upper
91 100
106 31.3 25.8 38.8





#59

m/p-Xylene

Concen: 8.350 ppbv

RT: 12.336 min Scan# 3037

Delta R.T. -0.032 min

Lab File: VL041521.D

Acq: 8 Aug 2024 20:39

Instrument :

MSVOA_L

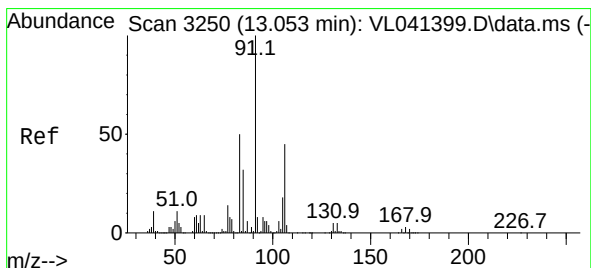
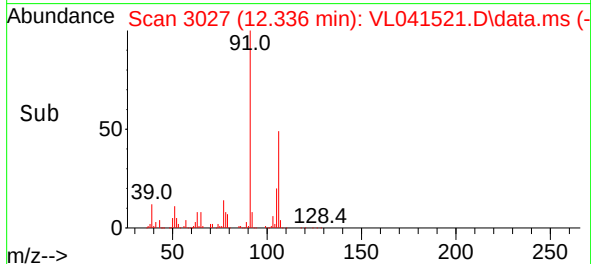
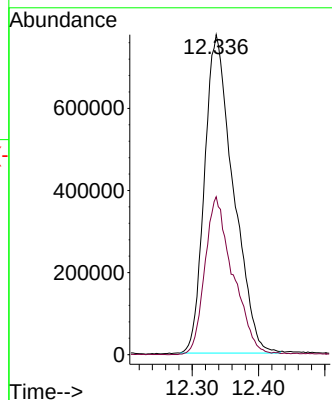
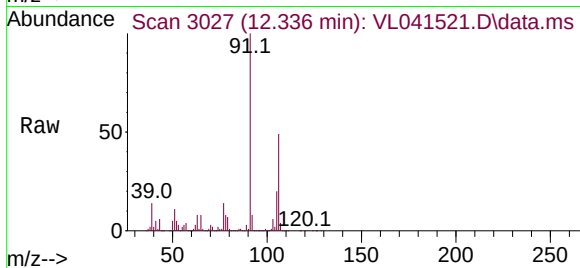
ClientSampleId :

Tgt Ion: 91 Resp: 2333751

Ion Ratio Lower Upper

91 100

106 49.0 36.3 54.5



#60

o-Xylene

Concen: 2.554 ppbv

RT: 13.047 min Scan# 3248

Delta R.T. -0.006 min

Lab File: VL041521.D

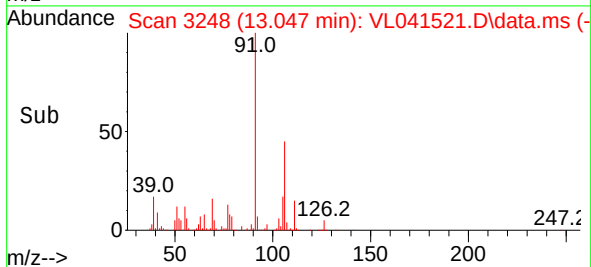
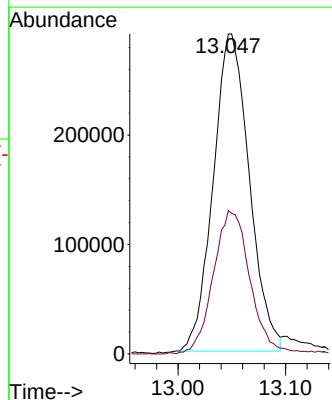
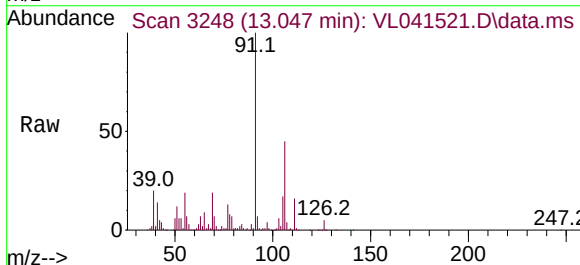
Acq: 8 Aug 2024 20:39

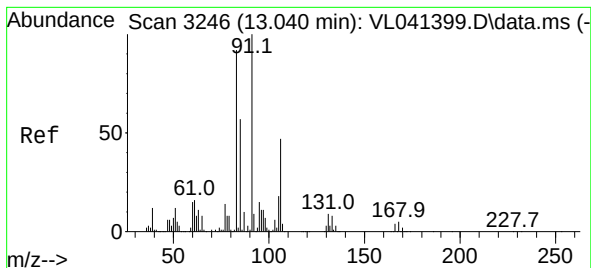
Tgt Ion: 91 Resp: 675408

Ion Ratio Lower Upper

91 100

106 46.7 23.1 69.3





#63

1,1,2,2-Tetrachloroethane

Concen: 0.083 ppbv

RT: 13.027 min Scan# 31

Delta R.T. -0.013 min

Lab File: VL041521.D

Acq: 8 Aug 2024 20:39

Instrument :

MSVOA_L

ClientSampleId :

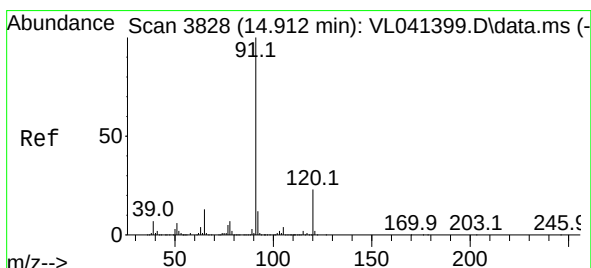
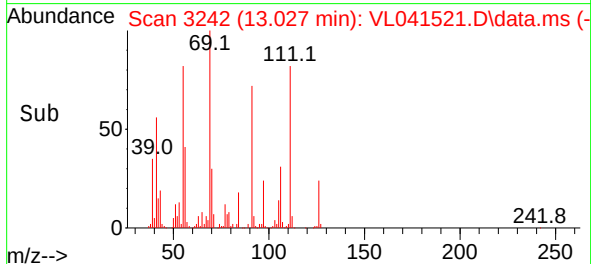
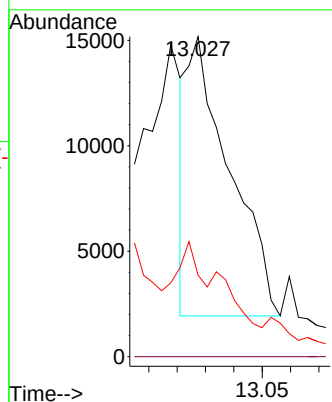
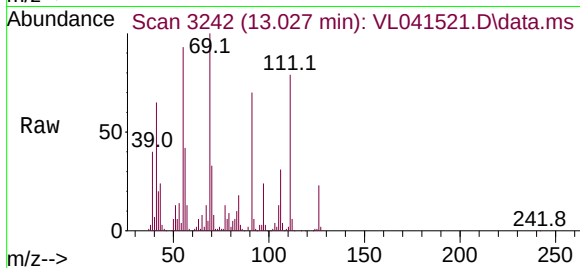
Tgt Ion: 83 Resp: 13898

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.4#

85 87.7 32.6 98.0



#64

n-propylbenzene

Concen: 0.031 ppbv

RT: 14.908 min Scan# 3827

Delta R.T. -0.003 min

Lab File: VL041521.D

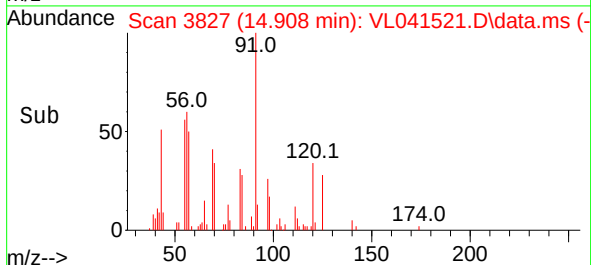
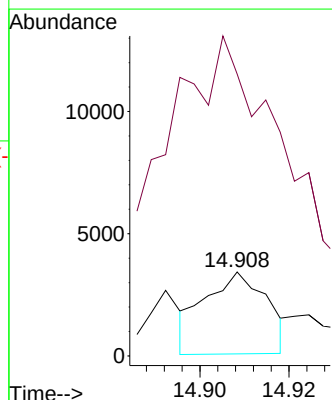
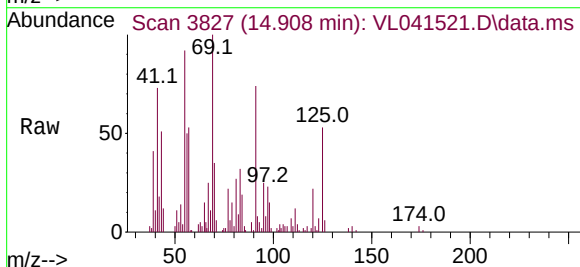
Acq: 8 Aug 2024 20:39

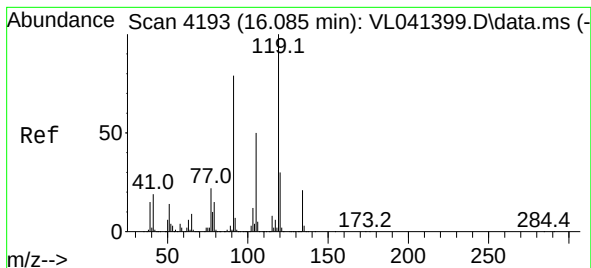
Tgt Ion:120 Resp: 3257

Ion Ratio Lower Upper

120 100

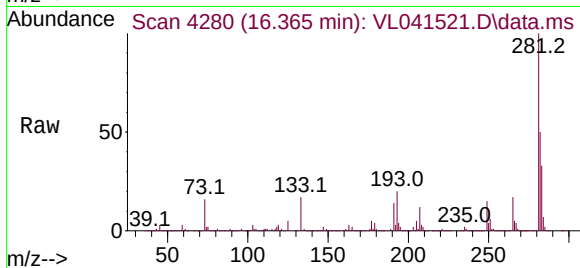
91 996.3 361.4 542.0#



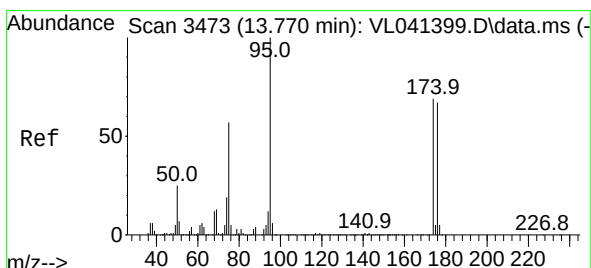
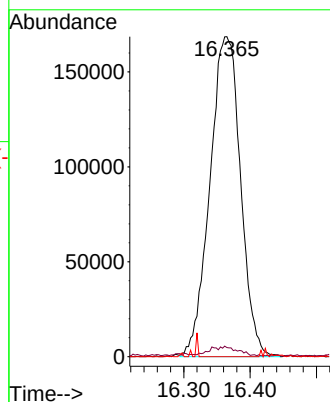
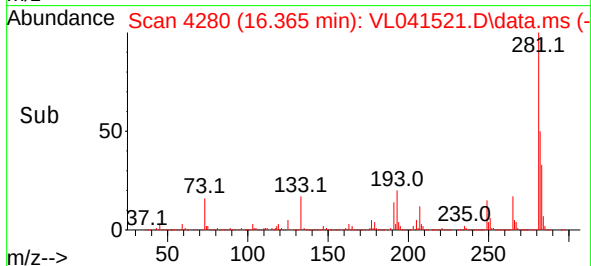


#65
tert-Butylbenzene
Concen: 1.491 ppbv
RT: 16.365 min Scan# 4193
Delta R.T. 0.283 min
Lab File: VL041521.D
Acq: 8 Aug 2024 20:39

Instrument :
MSVOA_L
ClientSampleId :

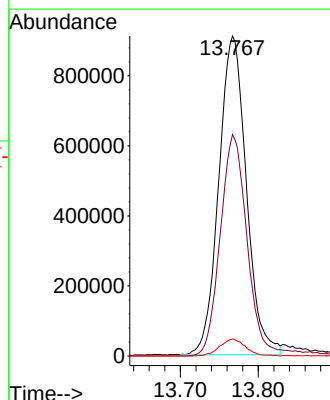
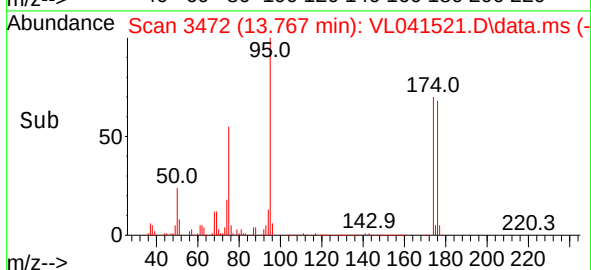
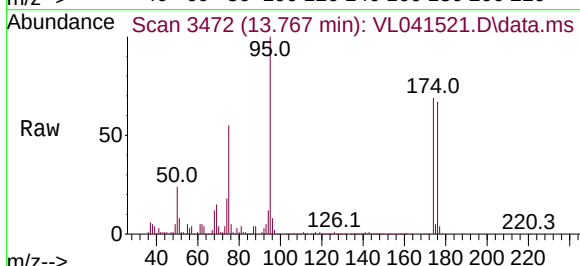


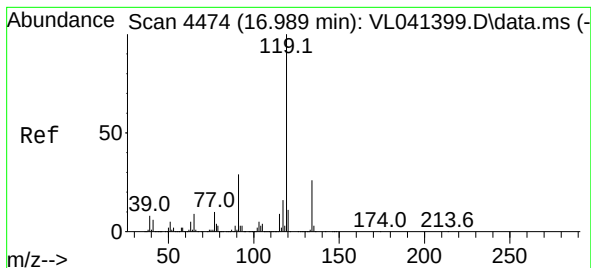
Tgt Ion:119 Resp: 541394
Ion Ratio Lower Upper
119 100
91 3.0 64.2 96.2#
134 0.2 15.7 23.5#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.338 ppbv
RT: 13.767 min Scan# 3472
Delta R.T. -0.000 min
Lab File: VL041521.D
Acq: 8 Aug 2024 20:39

Tgt Ion: 95 Resp: 2234798
Ion Ratio Lower Upper
95 100
174 69.7 56.3 84.5
175 5.0 4.0 6.0





#69

p-Isopropyltoluene

Concen: 0.465 ppbv

RT: 16.989 min Scan# 4474

Delta R.T. -0.000 min

Lab File: VL041521.D

Acq: 8 Aug 2024 20:39

Instrument :

MSVOA_L

ClientSampleId :

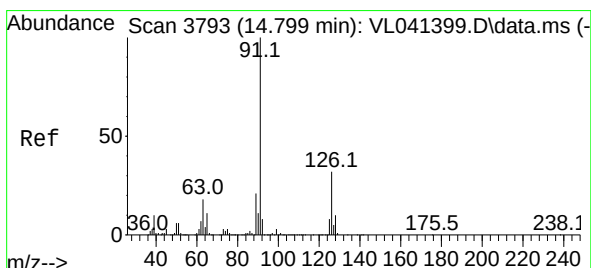
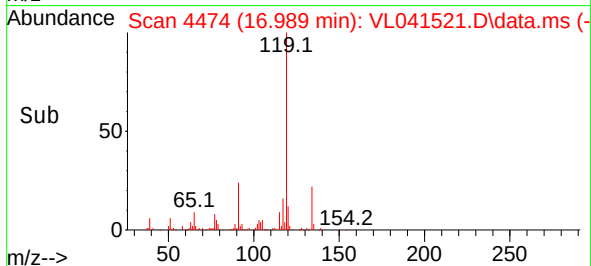
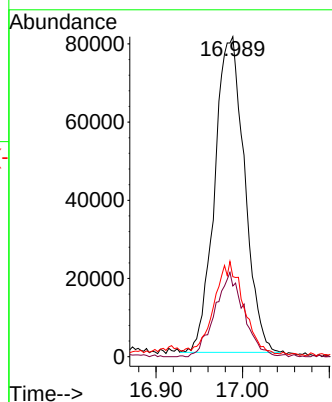
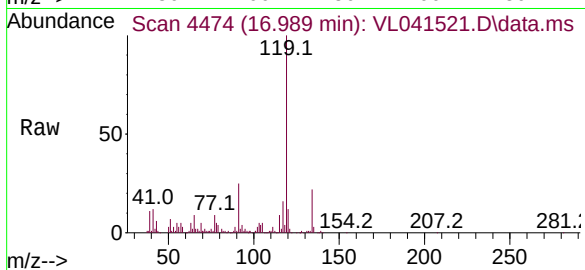
Tgt Ion:119 Resp: 193047

Ion Ratio Lower Upper

119 100

134 26.2 20.5 30.7

91 33.2 23.2 34.8



#71

2-Chlorotoluene

Concen: 0.056 ppbv

RT: 14.905 min Scan# 3826

Delta R.T. 0.113 min

Lab File: VL041521.D

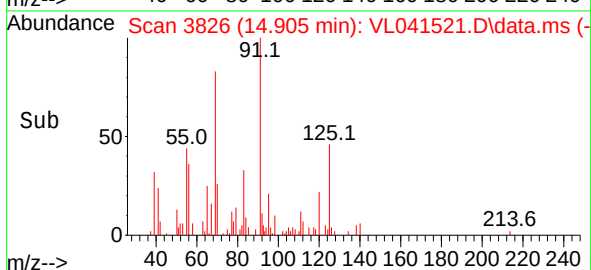
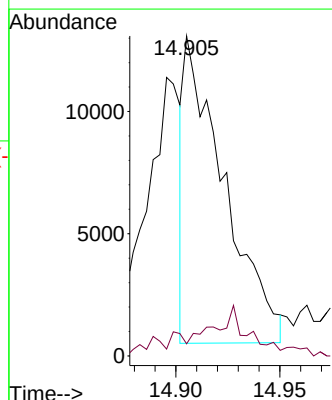
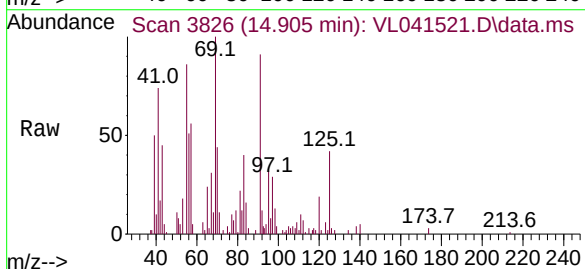
Acq: 8 Aug 2024 20:39

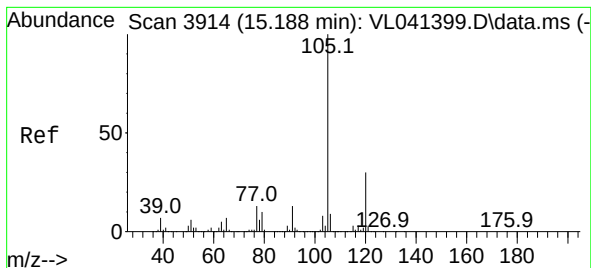
Tgt Ion: 91 Resp: 16632

Ion Ratio Lower Upper

91 100

126 22.7 12.7 50.9





#72

4-Ethyltoluene

Concen: 0.054 ppbv

RT: 15.185 min Scan# 3914

Delta R.T. -0.003 min

Lab File: VL041521.D

Acq: 8 Aug 2024 20:39

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:105 Resp: 16925

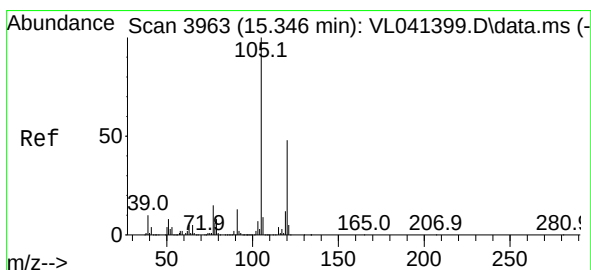
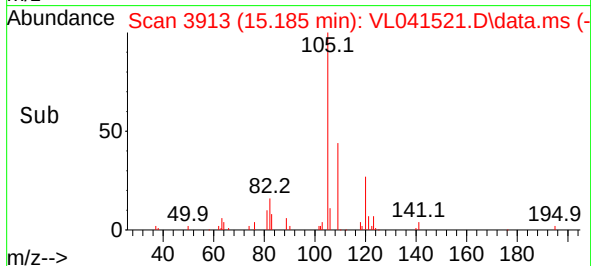
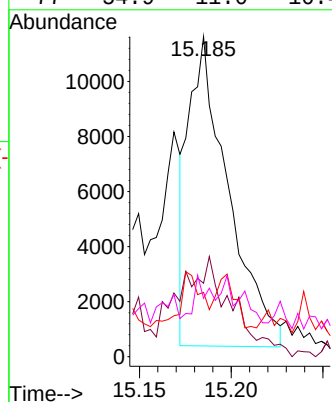
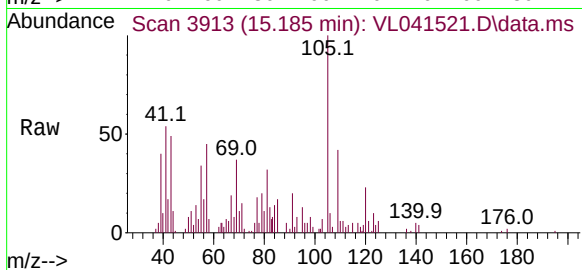
Ion Ratio Lower Upper

105 100

120 45.2 24.2 36.2#

91 0.0 10.4 15.6#

77 54.9 11.0 16.4#



#73

1,3,5-Trimethylbenzene

Concen: 0.087 ppbv

RT: 15.339 min Scan# 3961

Delta R.T. -0.006 min

Lab File: VL041521.D

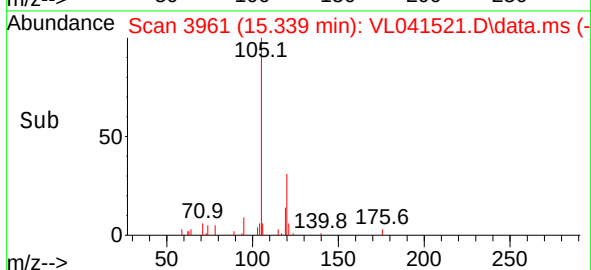
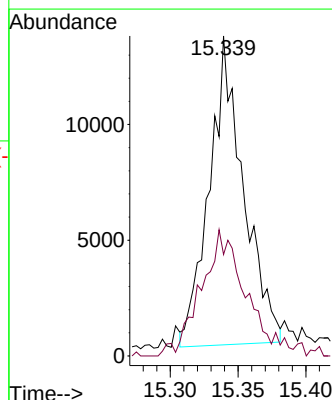
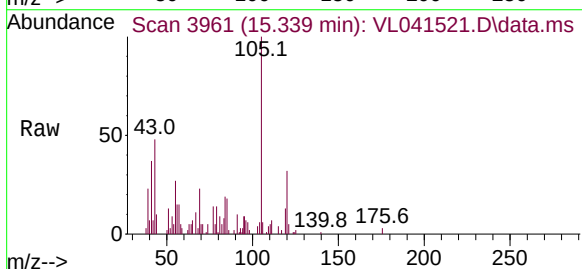
Acq: 8 Aug 2024 20:39

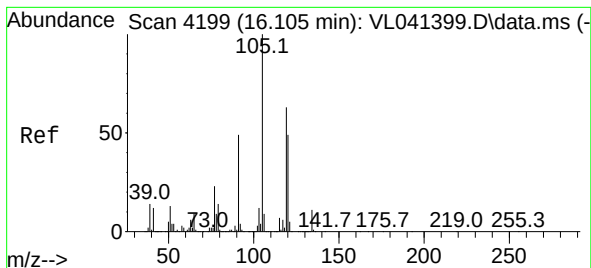
Tgt Ion:105 Resp: 23389

Ion Ratio Lower Upper

105 100

120 30.6 38.6 57.8#





#74

1,2,4-Trimethylbenzene

Concen: 0.295 ppbv

RT: 16.095 min Scan# 4199

Delta R.T. -0.006 min

Lab File: VL041521.D

Acq: 8 Aug 2024 20:39

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:105 Resp: 91867

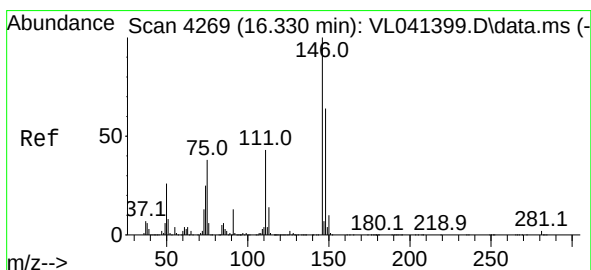
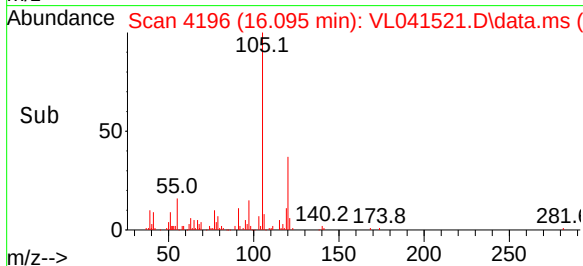
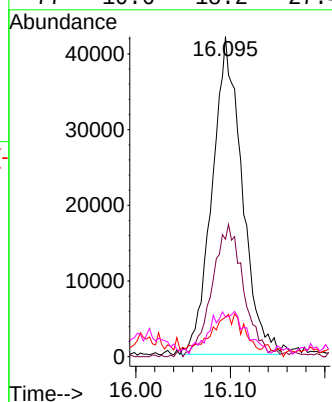
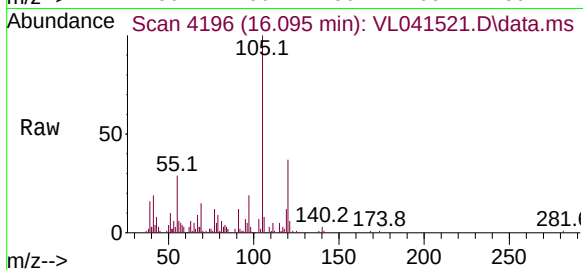
Ion Ratio Lower Upper

105 100

120 36.2 39.5 59.3#

91 10.0 39.8 59.8#

77 10.6 18.2 27.4#



#75

1,3-Dichlorobenzene

Concen: 1.794 ppbv

RT: 16.317 min Scan# 4265

Delta R.T. -0.006 min

Lab File: VL041521.D

Acq: 8 Aug 2024 20:39

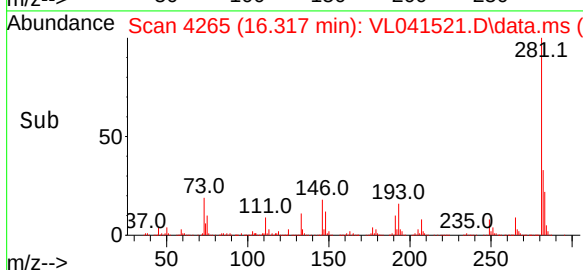
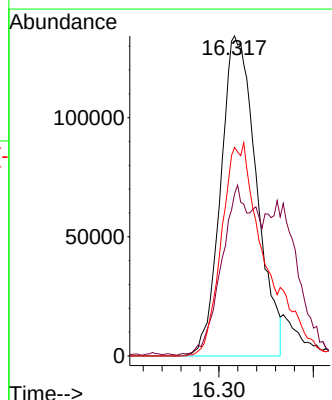
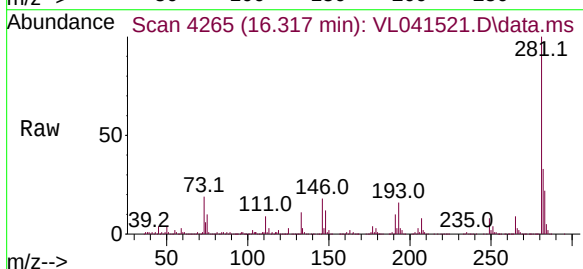
Tgt Ion:146 Resp: 351570

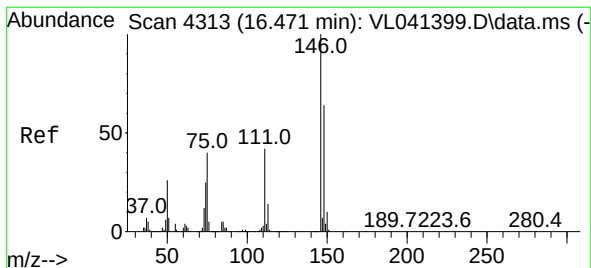
Ion Ratio Lower Upper

146 100

111 49.4 22.6 67.8

148 81.8 32.3 96.8





#76

1,4-Dichlorobenzene

Concen: 0.078 ppbv

RT: 16.368 min Scan# 41

Delta R.T. -0.096 min

Lab File: VL041521.D

Acq: 8 Aug 2024 20:39

Instrument :

MSVOA_1

ClientSampleId :

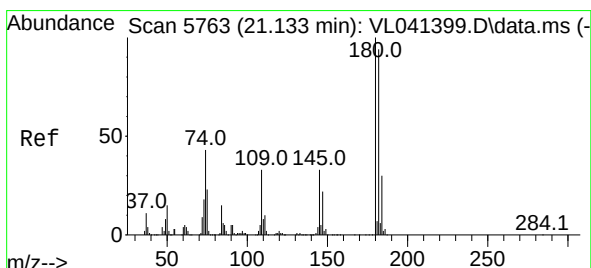
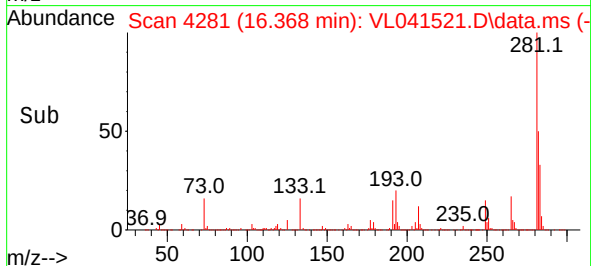
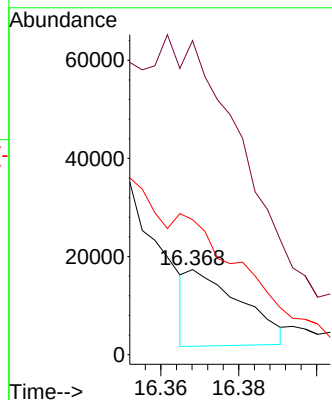
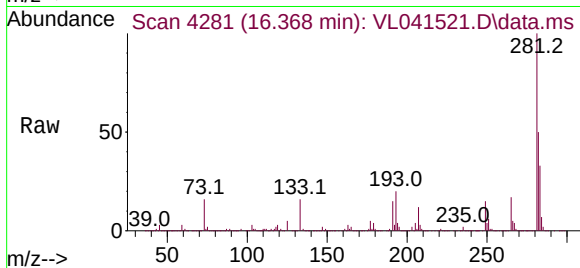
Tgt Ion:146 Resp: 14875

Ion Ratio Lower Upper

146 100

111 1083.0 22.4 67.0#

148 0.0 33.1 99.5#



#81

1,2,4-Trichlorobenzene

Concen: 0.545 ppbv

RT: 20.786 min Scan# 5655

Delta R.T. -0.344 min

Lab File: VL041521.D

Acq: 8 Aug 2024 20:39

Tgt Ion:180 Resp: 89254

Ion Ratio Lower Upper

180 100

182 17.8 76.7 115.1#

184 0.0 24.5 36.7#

