

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121124\
 Data File : VL041739.D
 Acq On : 12 Dec 2024 08:26
 Operator : SY/MD
 Sample : P5150-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 12 14:22:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121124AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Dec 12 13:35:39 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.777	49	249132	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	3.942	114	1203286	10.000	ppbv	-0.03
55) Chlorobenzene-d5	8.869	117	1109265	10.000	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	740905	10.160	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.492	85	18265	0.418	ppbv	96
3) Chlorodifluoromethane	1.615	51	1632	0.048	ppbv	97
4) Chloromethane	1.528	50	5025	0.433	ppbv	99
9) Propene	1.554	41	12384	0.856	ppbv	88
10) Heptane	4.959	43	925187	23.141	ppbv	99
11) Trichlorofluoromethane	1.871	101	11108	0.221	ppbv	94
12) 1,1,2-Trichlorotrifluo...	2.133	101	2957	0.065	ppbv	96
13) Ethanol	1.712	45	497251	415.694	ppbv	95
15) Acetone	1.829	43	134011	4.659	ppbv #	87
16) 1,3-Butadiene	1.596	39	2660	0.276	ppbv #	45
17) tert-Butyl alcohol	2.263	59	20787	0.498	ppbv	96
19) Isopropyl Alcohol	1.881	45	47923	1.754	ppbv #	58
20) Methylene Chloride	2.052	84	6985	0.401	ppbv	94
21) Allyl Chloride	2.072	41	1292	0.080	ppbv #	2
23) Vinyl Acetate	2.463	43	227795	13.078	ppbv #	51
25) Ethyl Acetate	4.959	43	925187	23.141	ppbv #	99
26) Hexane	2.816	57	408112	10.526	ppbv #	43
28) Methyl tert-Butyl Ether	2.431	73	958	0.033	ppbv #	58
29) Chloroform	2.839	83	4702	0.079	ppbv	84
30) Cyclohexane	3.842	84	681033	15.641	ppbv	98
34) 2-Butanone	2.551	43	13099	0.311	ppbv	97
35) Carbon Tetrachloride	3.745	117	2167	0.039	ppbv #	95
36) Benzene	3.641	78	639755	6.762	ppbv	100
37) 1,2-Dichloroethane	3.211	62	2429	0.071	ppbv #	84
39) 1,2-Dichloropropane	4.577	63	2193	0.073	ppbv #	1
41) Tetrahydrofuran	3.062	42	1227	0.048	ppbv #	57
42) Bromodichloromethane	4.499	83	85285	1.546	ppbv #	26
43) Methyl Methacrylate	4.962	69	12665	0.372	ppbv #	1
44) 2,2,4-Trimethylpentane	4.625	57	101183	0.768	ppbv #	46
47) 1,1,2-Trichloroethane	6.448	97	39864	0.993	ppbv #	45
50) 4-Methyl-2-Pentanone	5.761	43	8369	0.139	ppbv	89
51) 2-Hexanone	7.406	43	367917	7.402	ppbv #	18
52) Tetrachloroethene	8.208	164	6045	0.121	ppbv	88
53) Toluene	6.914	91	3569413	30.700	ppbv	98
57) Chlorobenzene	8.856	112	80414	0.797	ppbv #	42
58) Ethyl Benzene	9.344	91	1774836	11.956	ppbv	100
59) m/p-Xylene	9.522	91	3682516	32.370	ppbv	99
60) o-Xylene	9.956	91	1510074	13.389	ppbv	99
61) Styrene	9.859	104	2736	0.044	ppbv #	33
62) Isopropylbenzene	10.532	105	318661	1.713	ppbv	97
63) 1,1,2,2-Tetrachloroethane	9.940	83	14459	0.198	ppbv #	18
64) n-propylbenzene	10.982	120	207402	3.786	ppbv	90
65) tert-Butylbenzene	11.532	119	232560	1.319	ppbv #	71

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Quant Time: Dec 12 14:22:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121124AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Dec 12 13:35:39 2024
 Response via : Initial Calibration

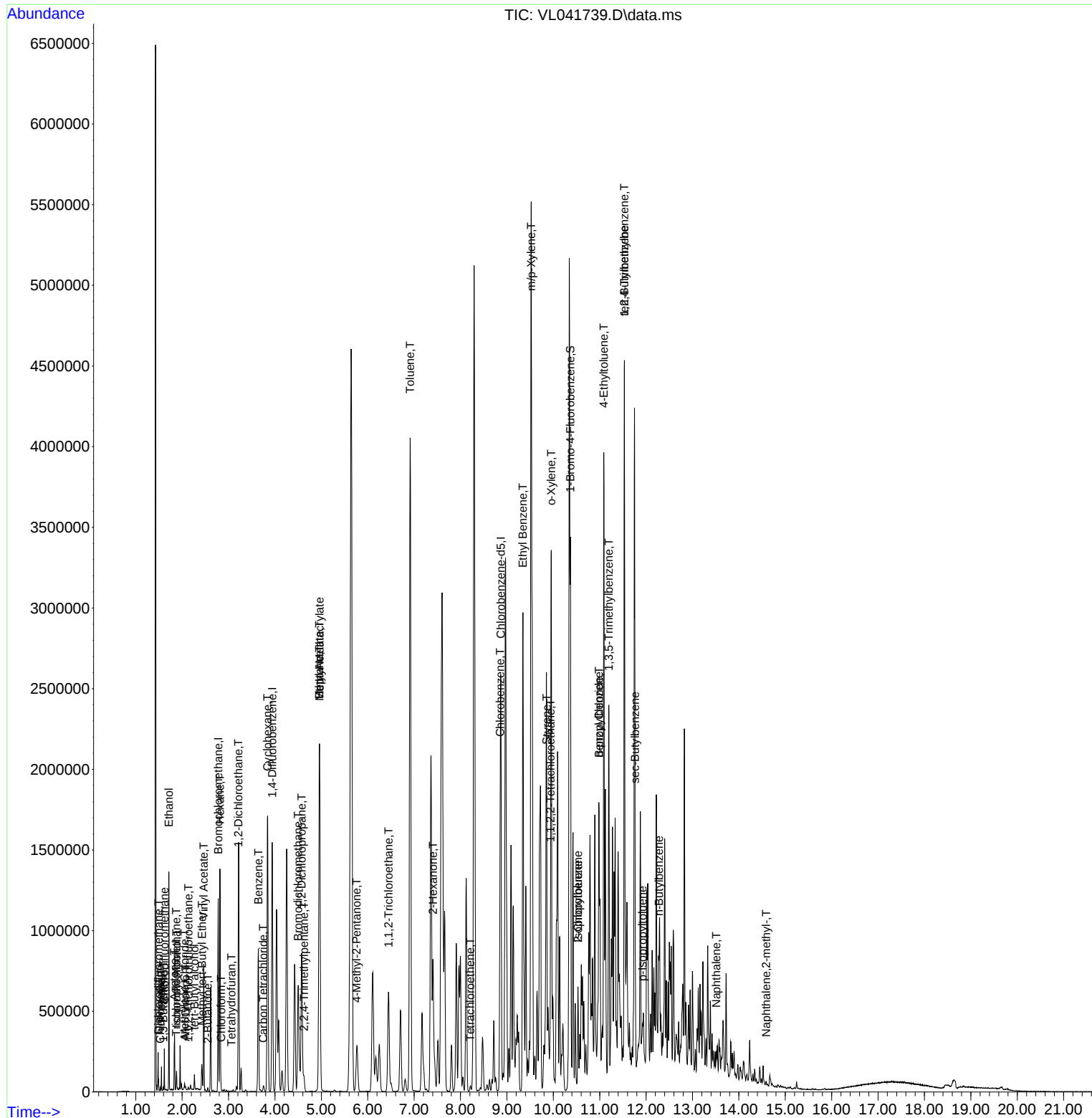
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

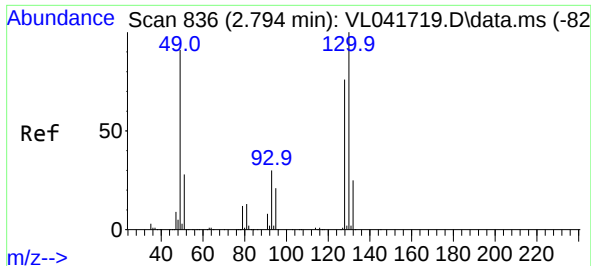
66) Benzyl Chloride	10.982	91	797127	6.302	ppbv #	44
67) sec-Butylbenzene	11.762	105	220314	0.965	ppbv	92
69) p-Isopropyltoluene	11.921	119	99366	0.505	ppbv	96
70) n-Butylbenzene	12.277	91	240477	1.472	ppbv #	43
71) 2-Chlorotoluene	10.532	91	17330	0.137	ppbv	97
72) 4-Ethyltoluene	11.089	105	1725153	11.846	ppbv #	79
73) 1,3,5-Trimethylbenzene	11.199	105	571142	4.848	ppbv	100
74) 1,2,4-Trimethylbenzene	11.532	105	1761093	13.750	ppbv #	70
79) Naphthalene	13.510	128	67426	0.615	ppbv	98
80) Naphthalene,2-methyl-	14.588	142	7707	0.194	ppbv	96

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

Instrument :
MSVOA_L
ClientSampleId :

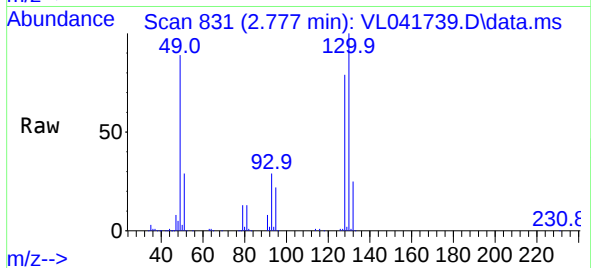
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MSVOA_L
ClientSampleId :



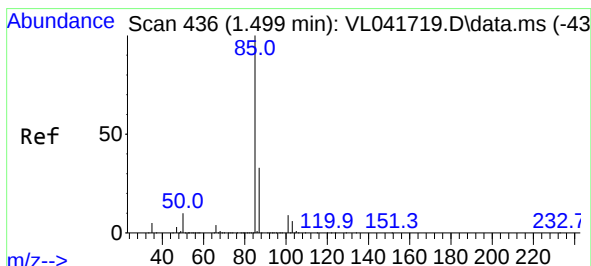
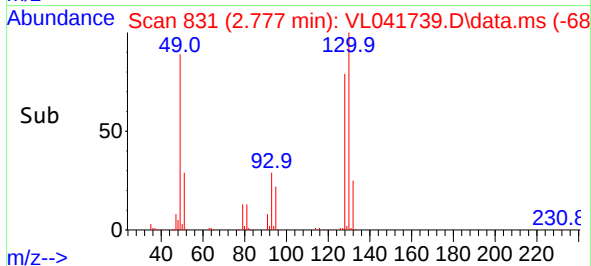
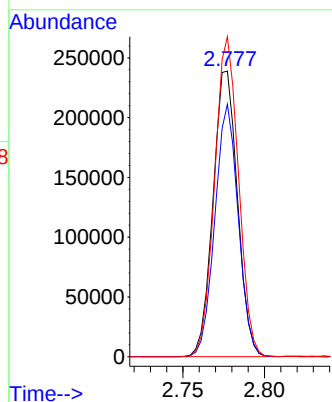


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.777 min Scan# 81
Delta R.T. -0.017 min
Lab File: VL041739.D
Acq: 12 Dec 2024 08:26

Instrument :
MSVOA_L
ClientSampleId :

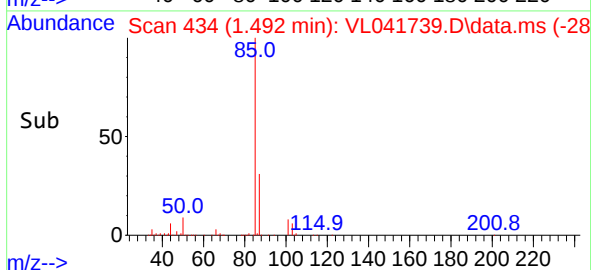
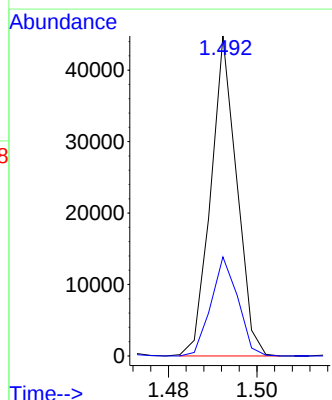
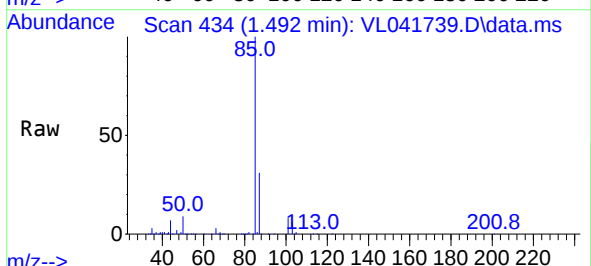


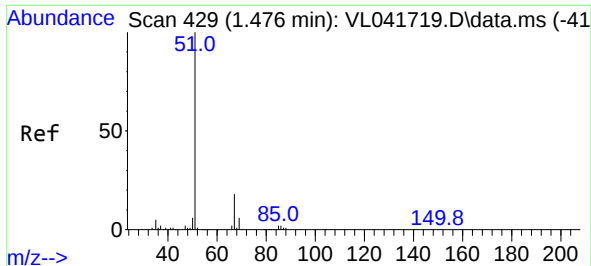
Tgt Ion: 49 Resp: 249132
Ion Ratio Lower Upper
49 100
128 84.5 42.8 128.3
130 109.5 55.8 167.4



#2
Dichlorodifluoromethane
Concen: 0.418 ppbv
RT: 1.492 min Scan# 434
Delta R.T. -0.007 min
Lab File: VL041739.D
Acq: 12 Dec 2024 08:26

Tgt Ion: 85 Resp: 18265
Ion Ratio Lower Upper
85 100
87 30.9 26.6 39.8

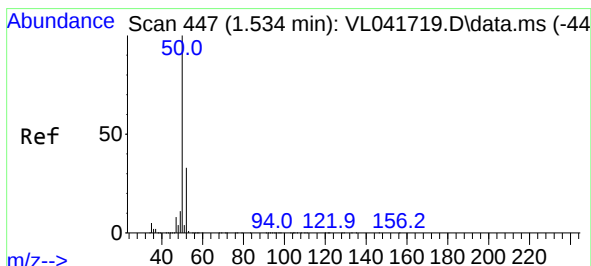
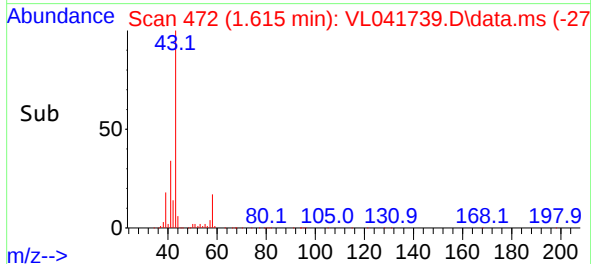
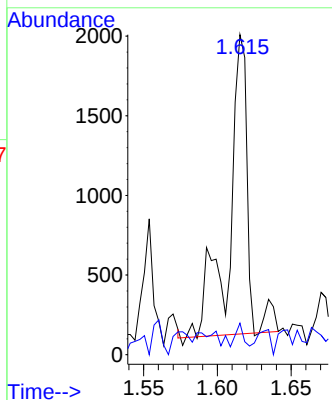
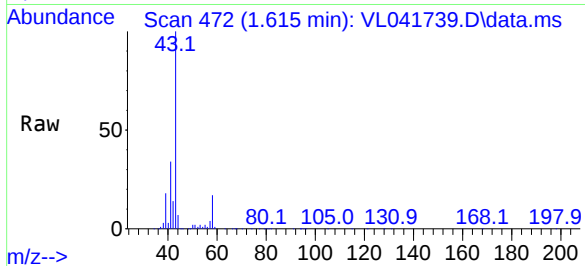




#3
Chlorodifluoromethane
Concen: 0.048 ppbv
RT: 1.615 min Scan# 41
Delta R.T. 0.139 min
Lab File: VL041739.D
Acq: 12 Dec 2024 08:26

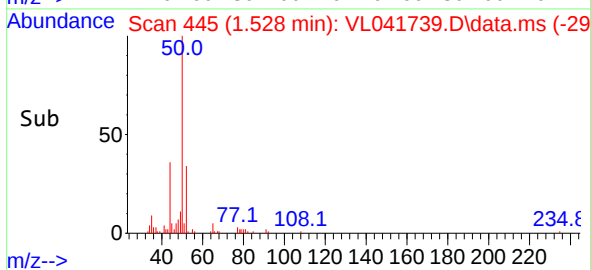
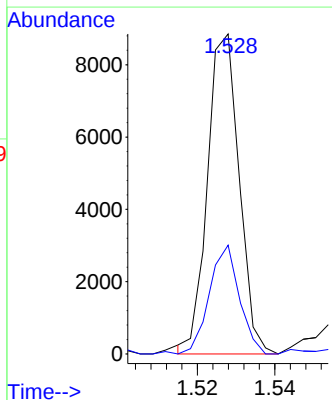
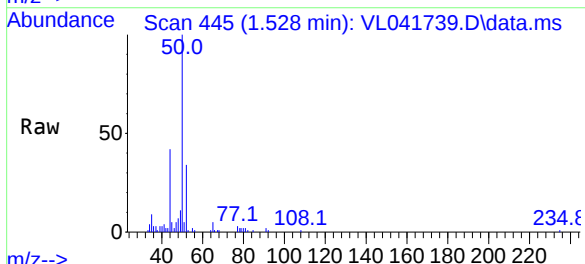
Instrument :
MSVOA_L
ClientSampleId :

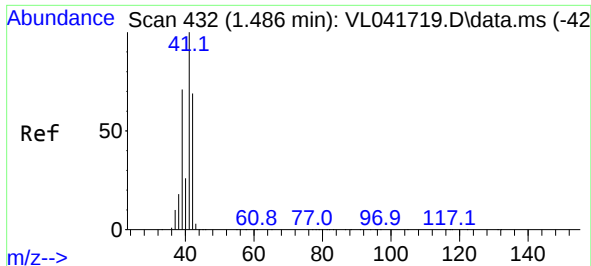
Tgt Ion: 51 Resp: 1632
Ion Ratio Lower Upper
51 100
67 19.5 14.6 21.8



#4
Chloromethane
Concen: 0.433 ppbv
RT: 1.528 min Scan# 445
Delta R.T. -0.007 min
Lab File: VL041739.D
Acq: 12 Dec 2024 08:26

Tgt Ion: 50 Resp: 5025
Ion Ratio Lower Upper
50 100
52 34.0 26.6 40.0





#9

Propene

Concen: 0.856 ppbv

RT: 1.554 min Scan# 41

Delta R.T. 0.068 min

Lab File: VL041739.D

Acq: 12 Dec 2024 08:26

Instrument :

MSVOA_L

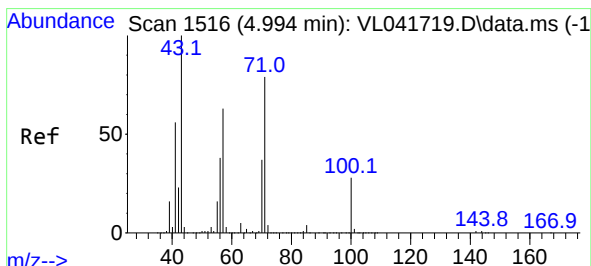
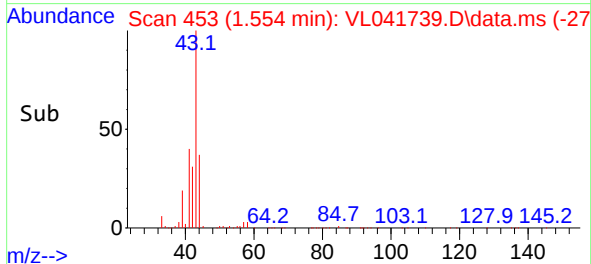
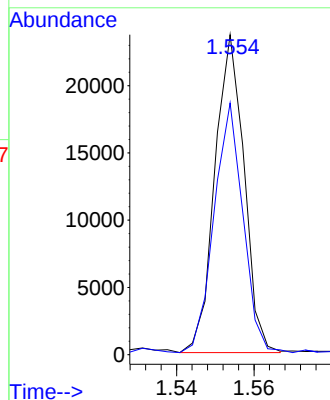
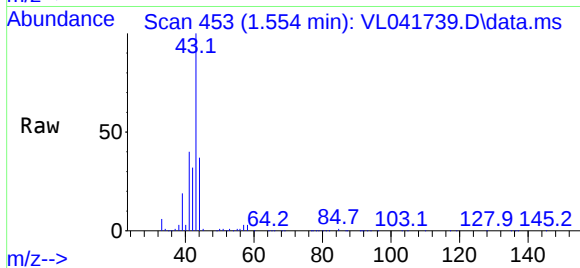
ClientSampleId :

Tgt Ion: 41 Resp: 12384

Ion Ratio Lower Upper

41 100

42 80.3 56.2 84.4



#10

Heptane

Concen: 23.141 ppbv

RT: 4.959 min Scan# 1505

Delta R.T. -0.036 min

Lab File: VL041739.D

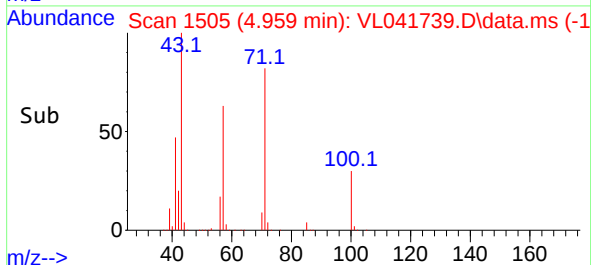
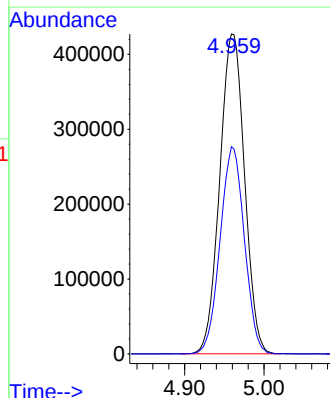
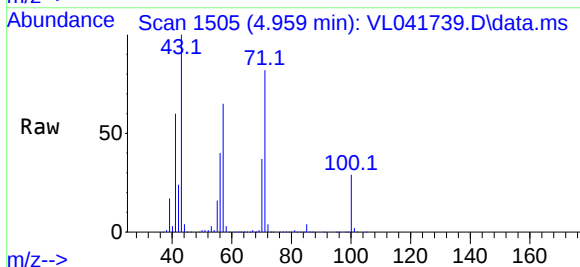
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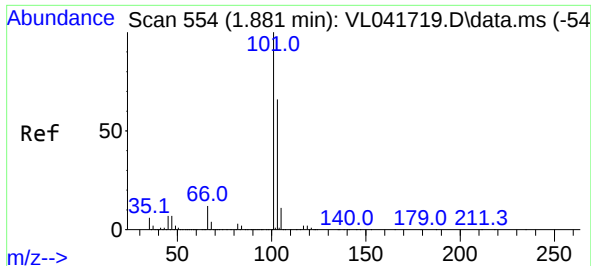
Tgt Ion: 43 Resp: 925187

Ion Ratio Lower Upper

43 100

57 63.5 50.5 75.7

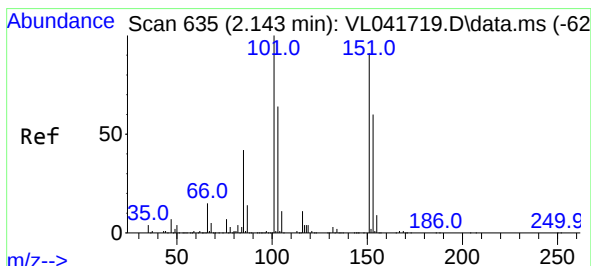
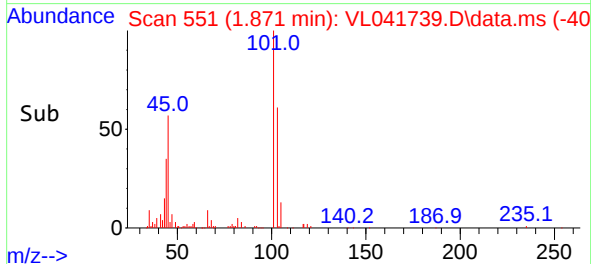
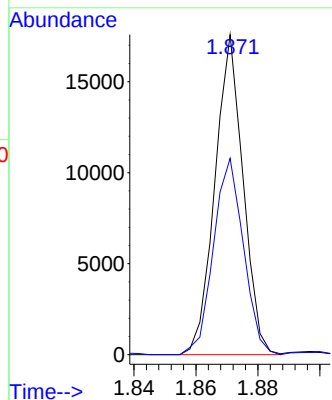
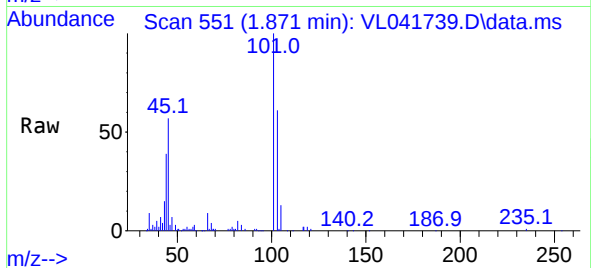




#11
Trichlorofluoromethane
Concen: 0.221 ppbv
RT: 1.871 min Scan# 511
Delta R.T. -0.010 min
Lab File: VL041739.D
Acq: 12 Dec 2024 08:26

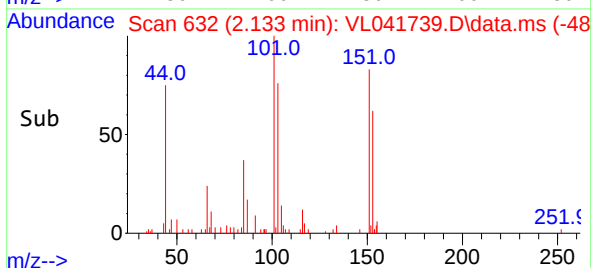
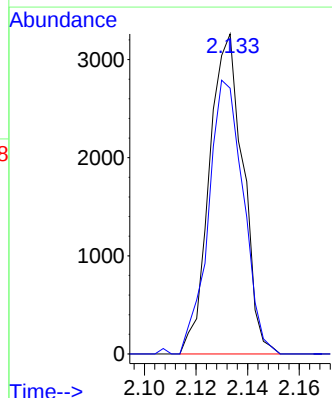
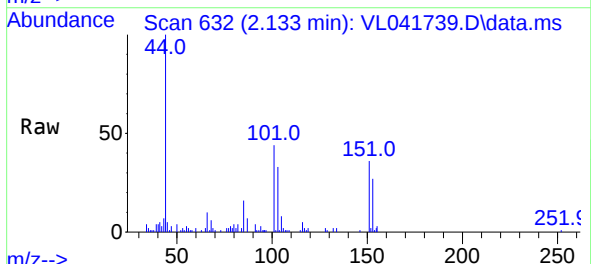
Instrument :
MSVOA_L
ClientSampleId :

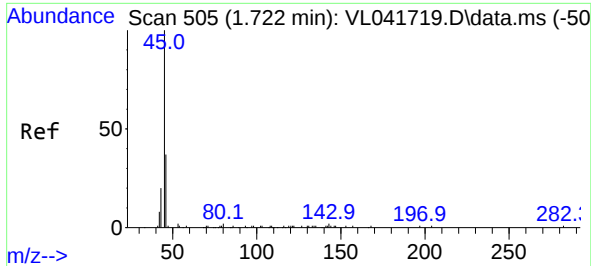
Tgt Ion:101 Resp: 11108
Ion Ratio Lower Upper
101 100
103 61.3 52.7 79.1



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.065 ppbv
RT: 2.133 min Scan# 632
Delta R.T. -0.010 min
Lab File: VL041739.D
Acq: 12 Dec 2024 08:26

Tgt Ion:101 Resp: 2957
Ion Ratio Lower Upper
101 100
151 89.0 74.4 111.6

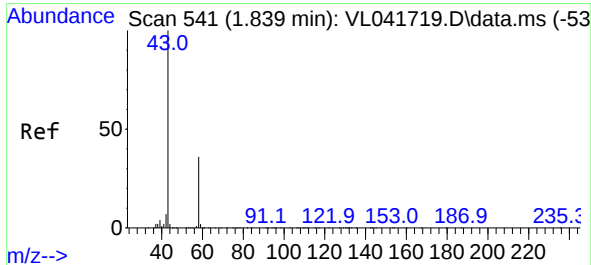
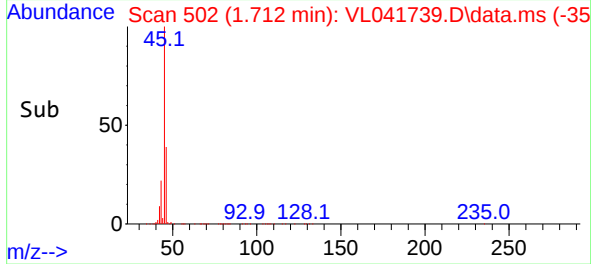
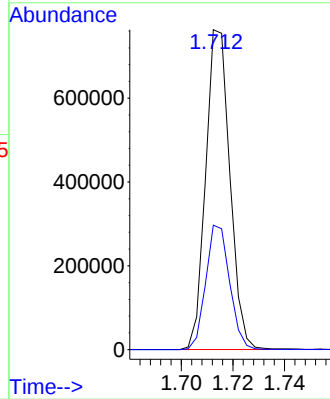
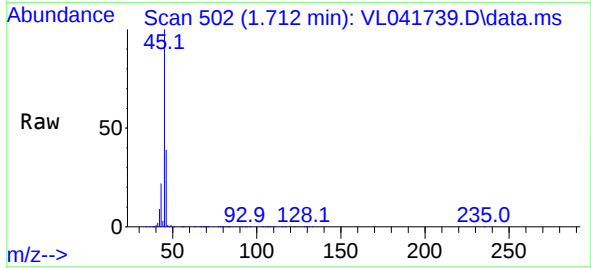




#13
Ethanol
Concen: 415.694 ppbv
RT: 1.712 min Scan# 50
Delta R.T. -0.010 min
Lab File: VL041739.D
Acq: 12 Dec 2024 08:26

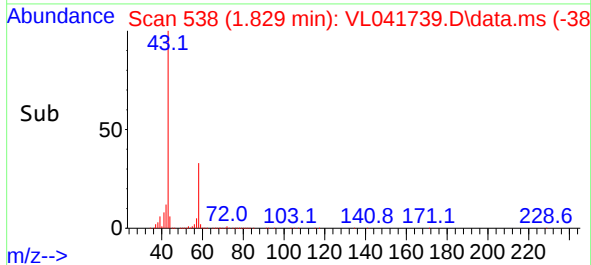
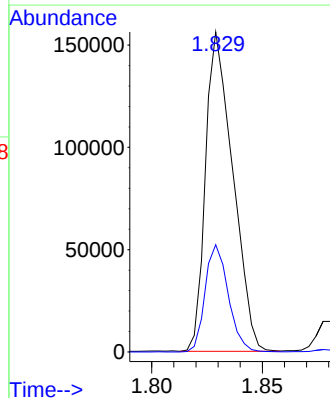
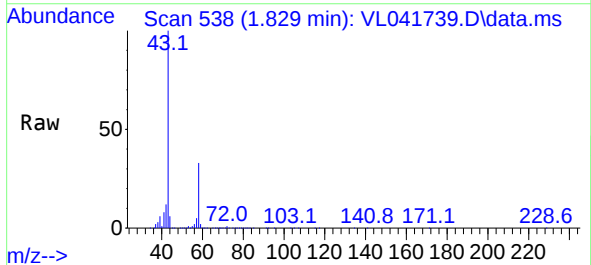
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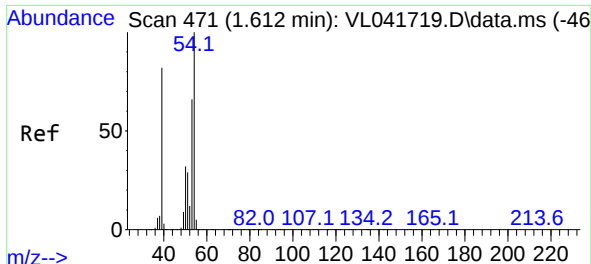
Tgt Ion: 45 Resp: 497251
Ion Ratio Lower Upper
45 100
46 38.6 16.6 66.6



#15
Acetone
Concen: 4.659 ppbv
RT: 1.829 min Scan# 538
Delta R.T. -0.010 min
Lab File: VL041739.D
Acq: 12 Dec 2024 08:26

Tgt Ion: 43 Resp: 134011
Ion Ratio Lower Upper
43 100
58 28.6 28.9 43.3#

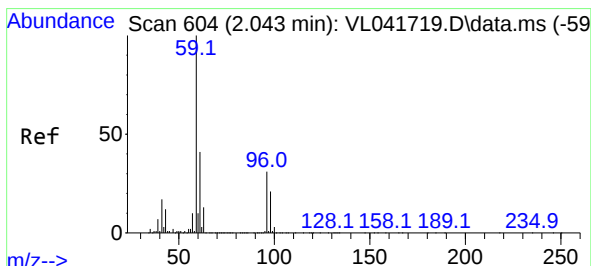
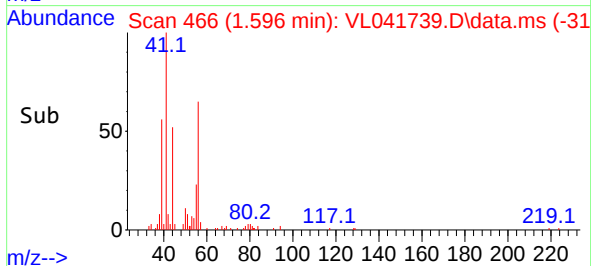
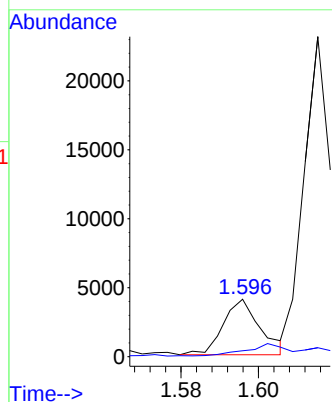
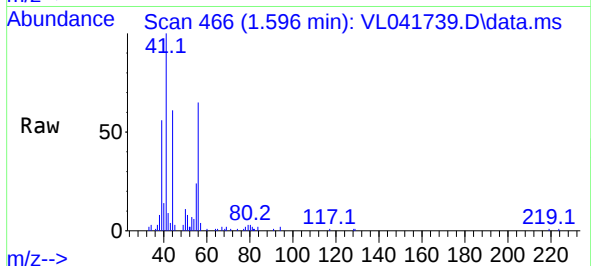




#16
1,3-Butadiene
Concen: 0.276 ppbv
RT: 1.596 min Scan# 411
Delta R.T. -0.016 min
Lab File: VL041739.D
Acq: 12 Dec 2024 08:26

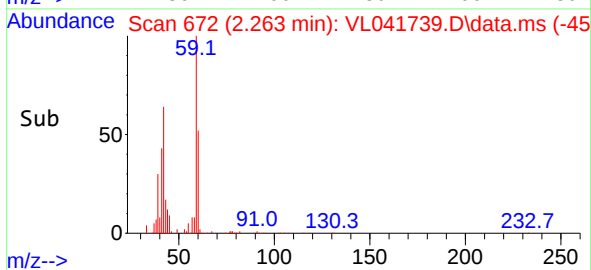
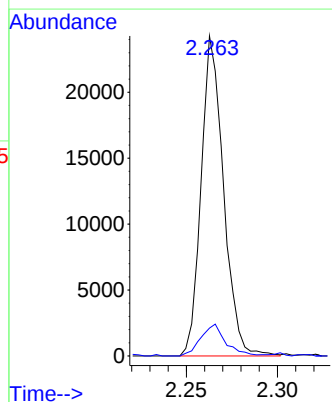
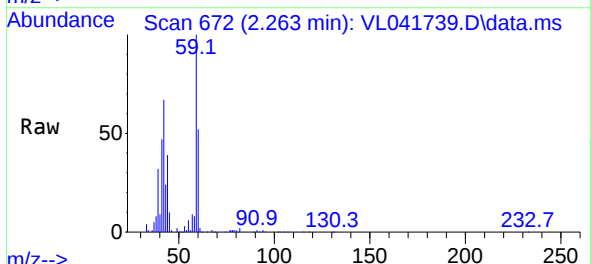
Instrument :
MSVOA_L
ClientSampleId :

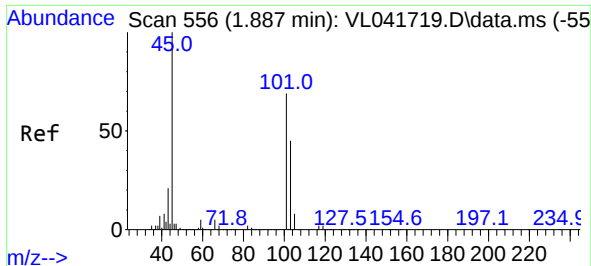
Tgt Ion: 39 Resp: 2660
Ion Ratio Lower Upper
39 100
54 49.5 85.0 127.6#



#17
tert-Butyl alcohol
Concen: 0.498 ppbv
RT: 2.263 min Scan# 672
Delta R.T. 0.220 min
Lab File: VL041739.D
Acq: 12 Dec 2024 08:26

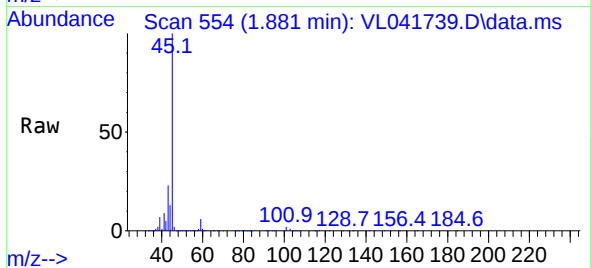
Tgt Ion: 59 Resp: 20787
Ion Ratio Lower Upper
59 100
57 11.9 8.2 12.4



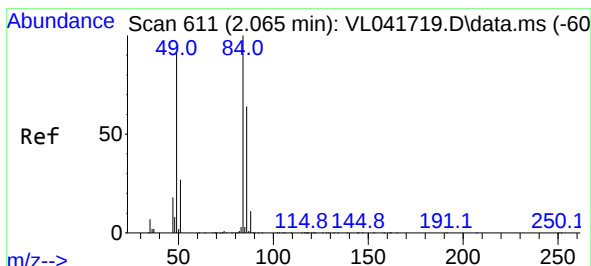
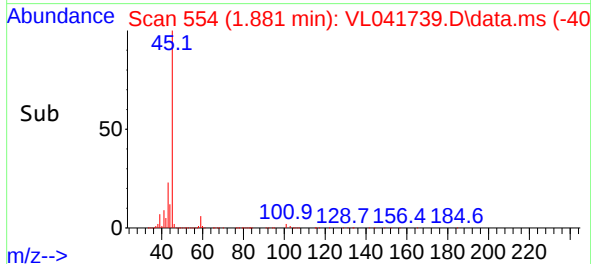
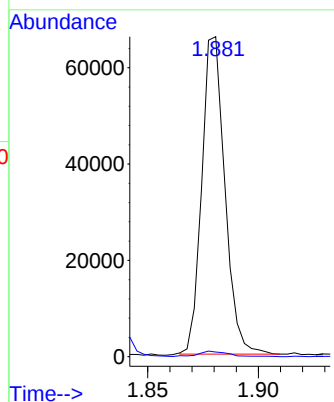


#19
Isopropyl Alcohol
Concen: 1.754 ppbv
RT: 1.881 min Scan# 511
Delta R.T. -0.007 min
Lab File: VL041739.D
Acq: 12 Dec 2024 08:26

Instrument :
MSVOA_L
ClientSampleId :

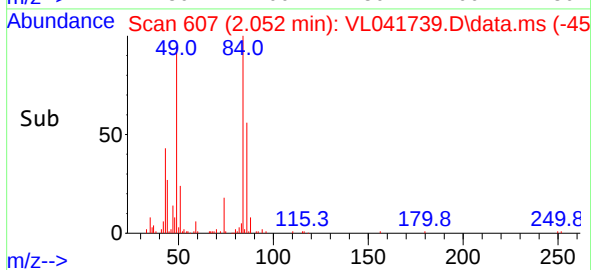
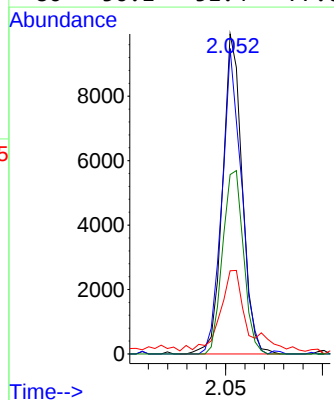
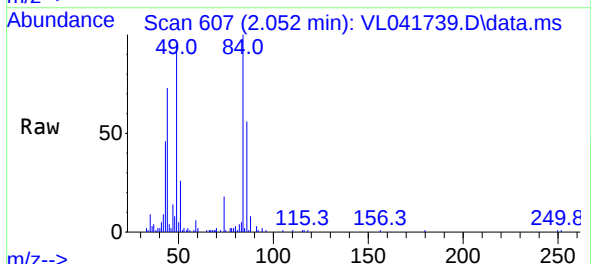


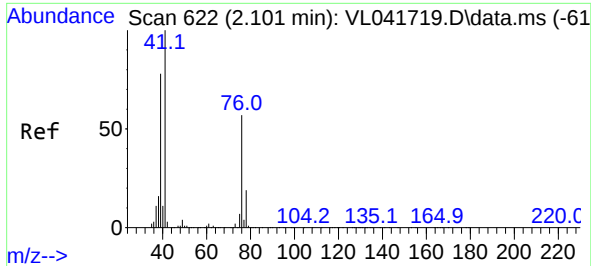
Tgt Ion: 45 Resp: 47923
Ion Ratio Lower Upper
45 100
58 79.9 40.6 61.0#



#20
Methylene Chloride
Concen: 0.401 ppbv
RT: 2.052 min Scan# 607
Delta R.T. -0.013 min
Lab File: VL041739.D
Acq: 12 Dec 2024 08:26

Tgt Ion: 84 Resp: 6985
Ion Ratio Lower Upper
84 100
49 95.4 73.6 110.4
51 25.0 22.7 34.1
86 56.1 51.4 77.0

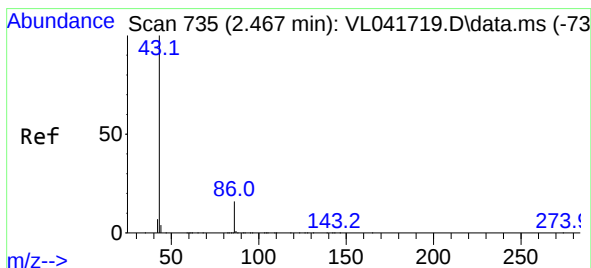
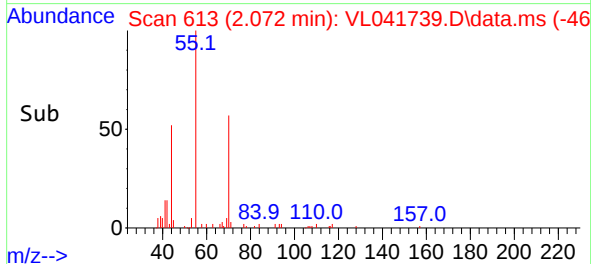
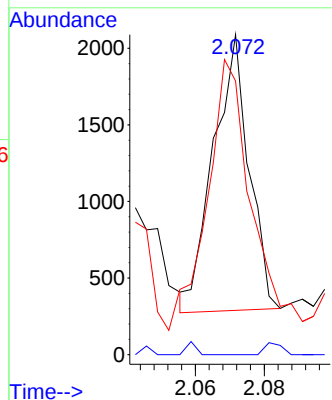
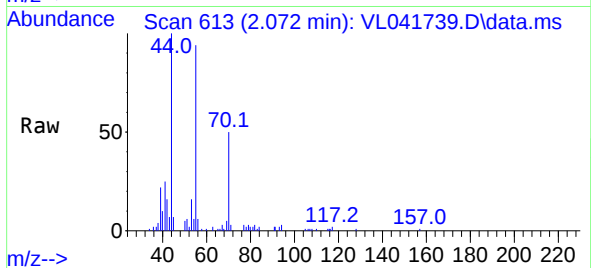




#21
Allyl Chloride
Concen: 0.080 ppbv
RT: 2.072 min Scan# 613
Delta R.T. -0.029 min
Lab File: VL041739.D
Acq: 12 Dec 2024 08:26

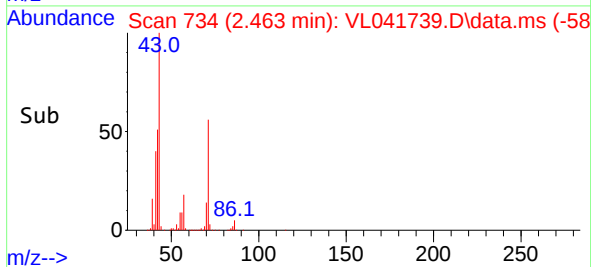
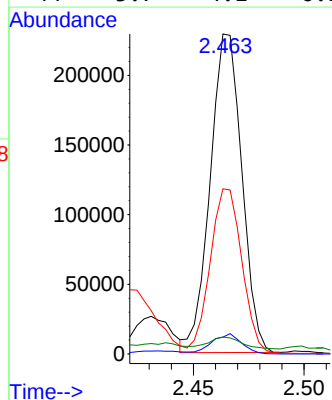
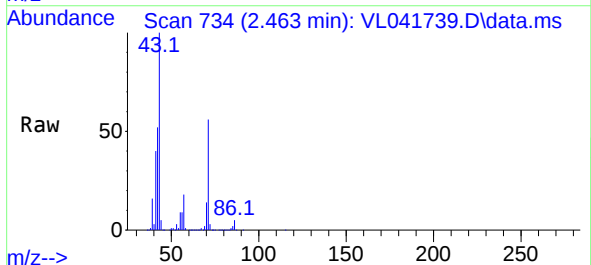
Instrument :
MSVOA_L
ClientSampleId :

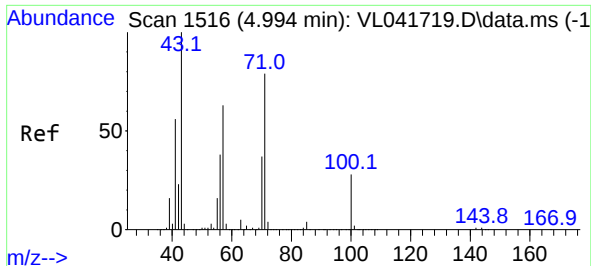
Tgt Ion: 41 Resp: 1292
Ion Ratio Lower Upper
41 100
76 2.1 44.2 66.2#
39 179.9 62.8 94.2#



#23
Vinyl Acetate
Concen: 13.078 ppbv
RT: 2.463 min Scan# 734
Delta R.T. -0.003 min
Lab File: VL041739.D
Acq: 12 Dec 2024 08:26

Tgt Ion: 43 Resp: 227795
Ion Ratio Lower Upper
43 100
86 5.3 11.5 17.3#
42 51.8 6.6 10.0#
44 3.7 4.1 6.1#



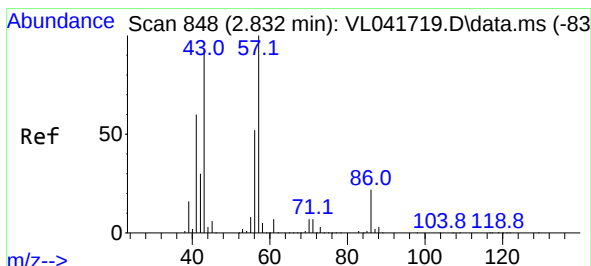
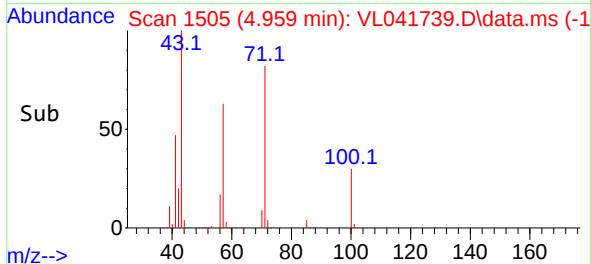
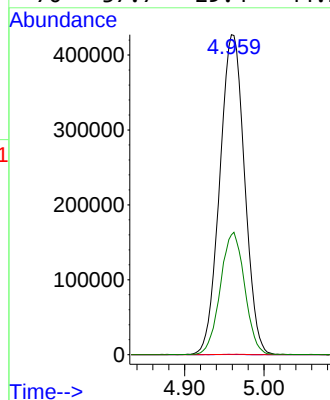
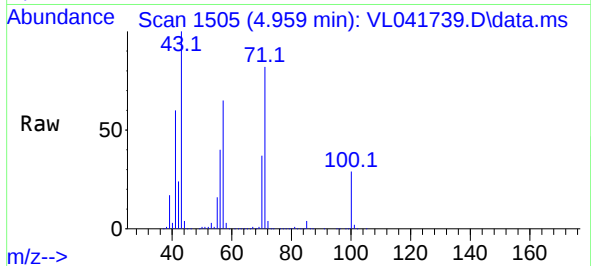


#25
Ethyl Acetate
Concen: 23.141 ppbv
RT: 4.959 min Scan# 11
Delta R.T. -0.036 min
Lab File: VL041739.D
Acq: 12 Dec 2024 08:26

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 925187

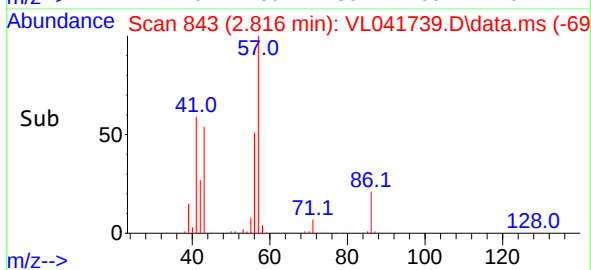
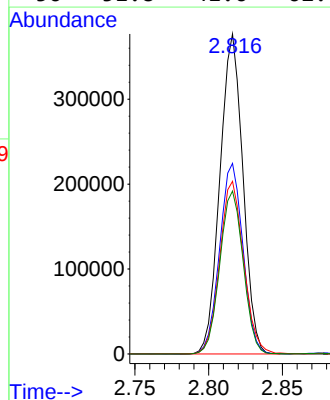
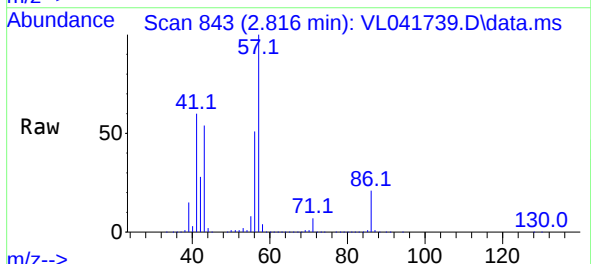
Ion	Ratio	Lower	Upper
43	100		
45	0.1	0.0	0.0#
61	0.1	0.4	0.6#
70	37.7	29.4	44.2

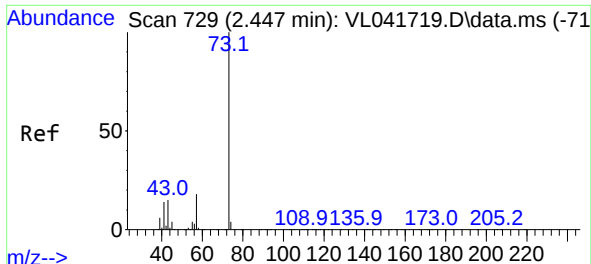


#26
Hexane
Concen: 10.526 ppbv
RT: 2.816 min Scan# 843
Delta R.T. -0.016 min
Lab File: VL041739.D
Acq: 12 Dec 2024 08:26

Tgt Ion: 57 Resp: 408112

Ion	Ratio	Lower	Upper
57	100		
41	60.6	49.5	74.3
43	56.3	150.6	225.8#
56	51.8	41.6	62.4





#28

Methyl tert-Butyl Ether

Concen: 0.033 ppbv

RT: 2.431 min Scan# 71

Delta R.T. -0.016 min

Lab File: VL041739.D

Acq: 12 Dec 2024 08:26

Instrument :

MSVOA_L

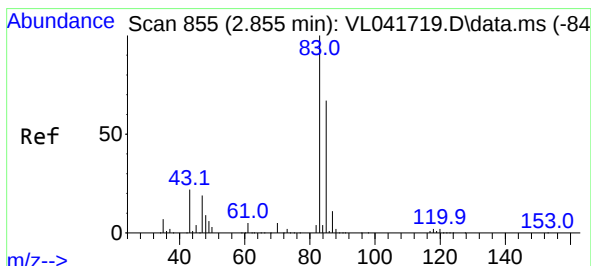
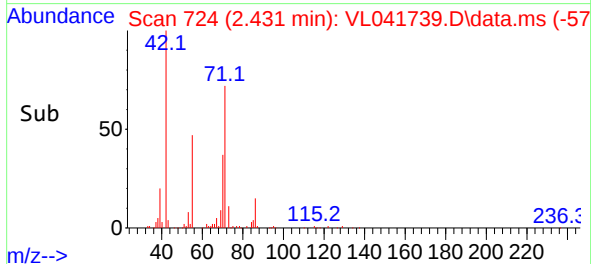
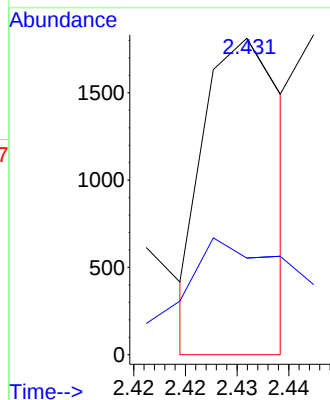
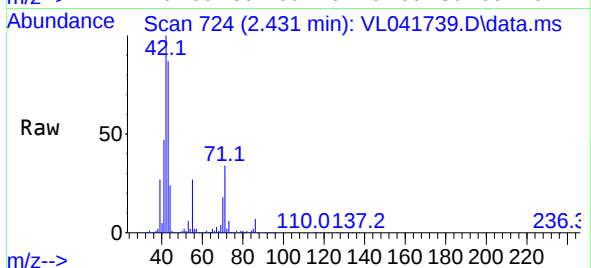
ClientSampleId :

Tgt Ion: 73 Resp: 958

Ion Ratio Lower Upper

73 100

57 0.0 15.3 22.9#



#29

Chloroform

Concen: 0.079 ppbv

RT: 2.839 min Scan# 850

Delta R.T. -0.016 min

Lab File: VL041739.D

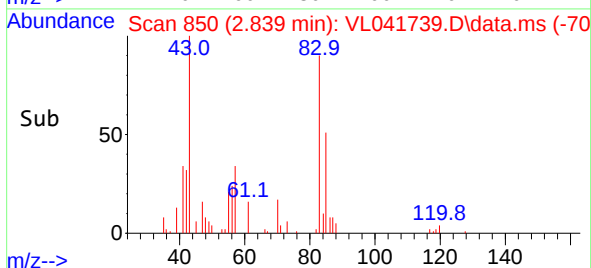
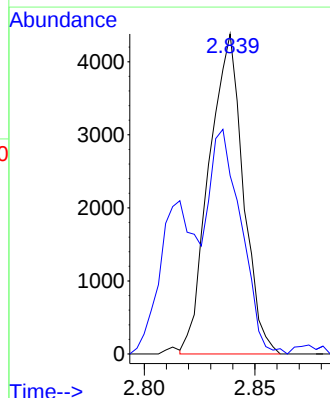
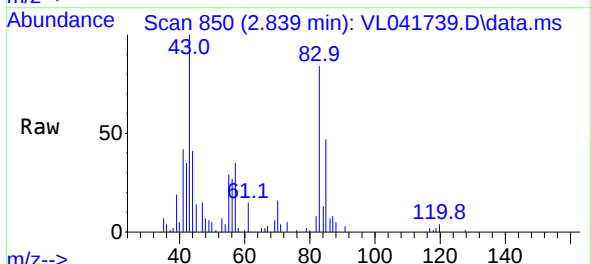
Acq: 12 Dec 2024 08:26

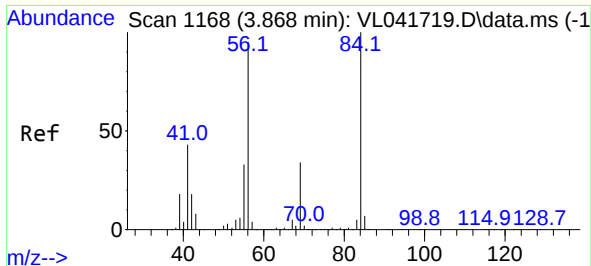
Tgt Ion: 83 Resp: 4702

Ion Ratio Lower Upper

83 100

85 54.1 53.6 80.4

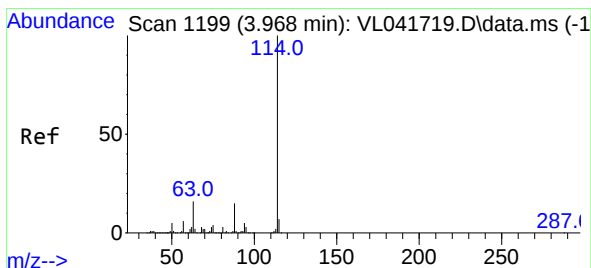
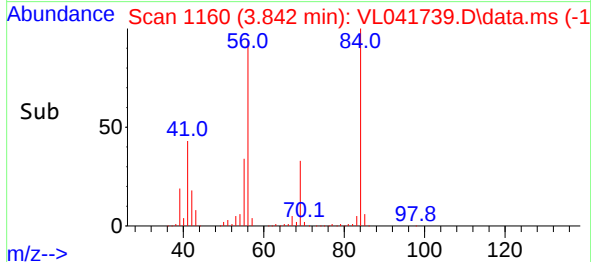
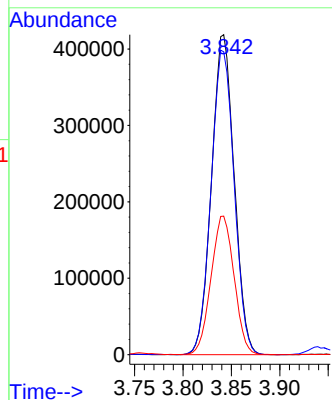
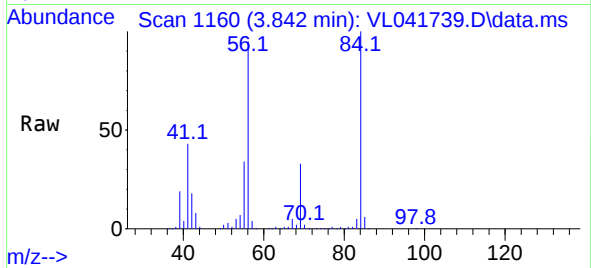




#30
Cyclohexane
Concen: 15.641 ppbv
RT: 3.842 min Scan# 1160
Delta R.T. -0.026 min
Lab File: VL041739.D
Acq: 12 Dec 2024 08:26

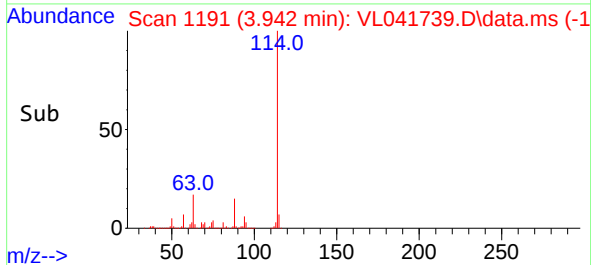
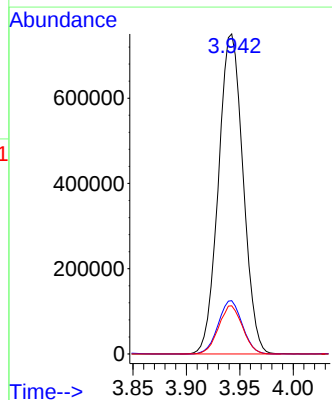
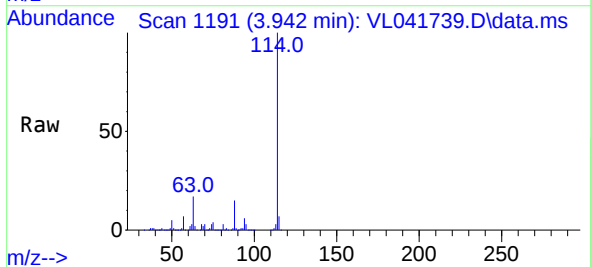
Instrument :
MSVOA_L
ClientSampleId :

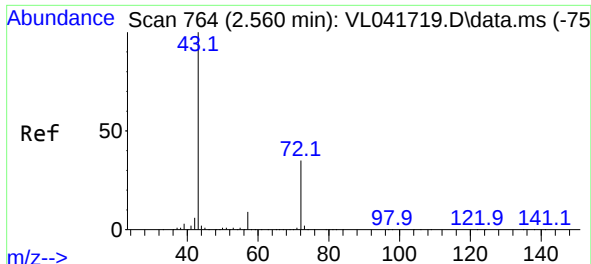
Tgt Ion: 84 Resp: 681033
Ion Ratio Lower Upper
84 100
56 96.9 76.0 114.0
41 44.1 34.2 51.4



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.942 min Scan# 1191
Delta R.T. -0.026 min
Lab File: VL041739.D
Acq: 12 Dec 2024 08:26

Tgt Ion: 114 Resp: 1203286
Ion Ratio Lower Upper
114 100
63 16.3 12.9 19.3
88 14.7 11.8 17.6

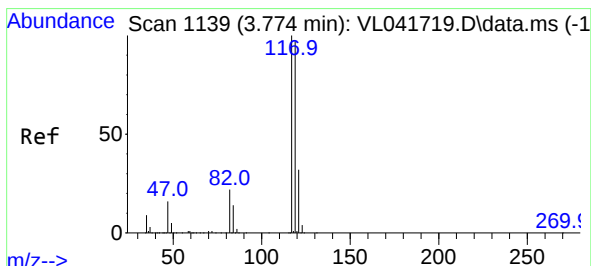
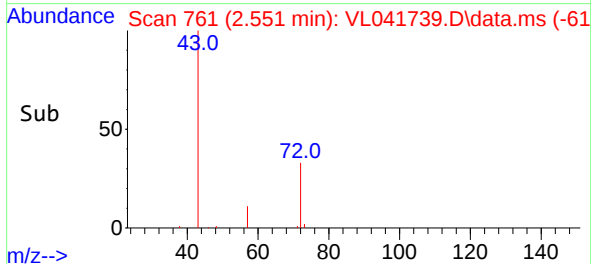
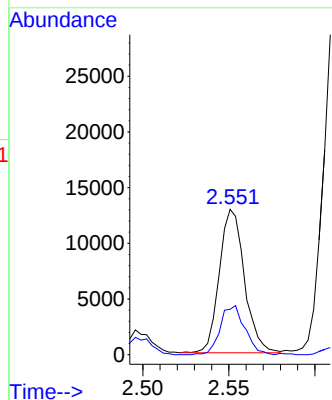
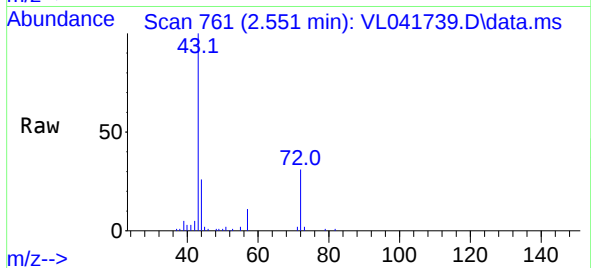




#34
2-Butanone
Concen: 0.311 ppbv
RT: 2.551 min Scan# 71
Delta R.T. -0.010 min
Lab File: VL041739.D
Acq: 12 Dec 2024 08:26

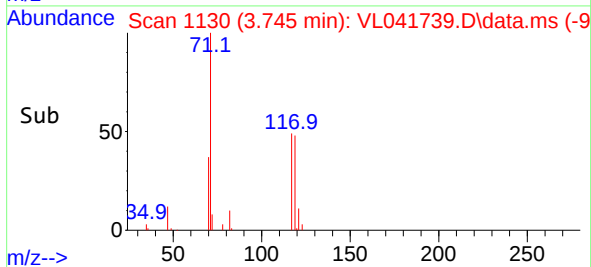
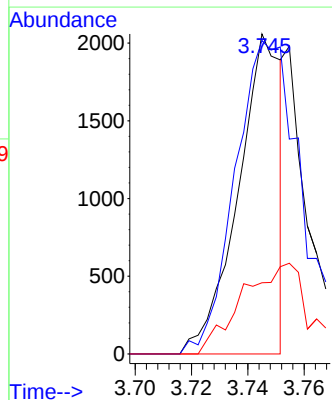
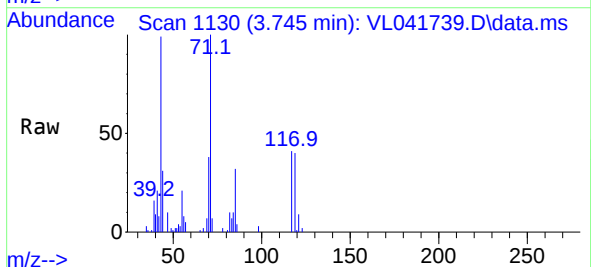
Instrument :
MSVOA_L
ClientSampleId :

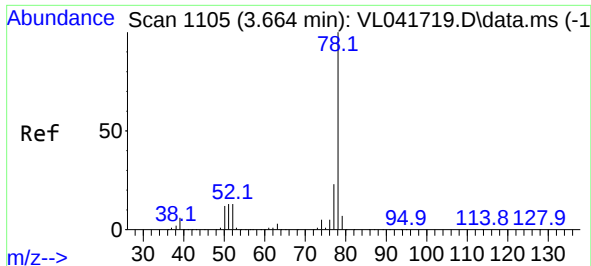
Tgt Ion: 43 Resp: 13099
Ion Ratio Lower Upper
43 100
72 33.8 28.3 42.5



#35
Carbon Tetrachloride
Concen: 0.039 ppbv
RT: 3.745 min Scan# 1130
Delta R.T. -0.029 min
Lab File: VL041739.D
Acq: 12 Dec 2024 08:26

Tgt Ion: 117 Resp: 2167
Ion Ratio Lower Upper
117 100
119 98.0 77.7 116.5
121 22.2 25.5 38.3

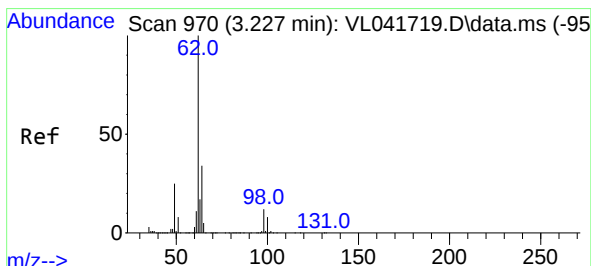
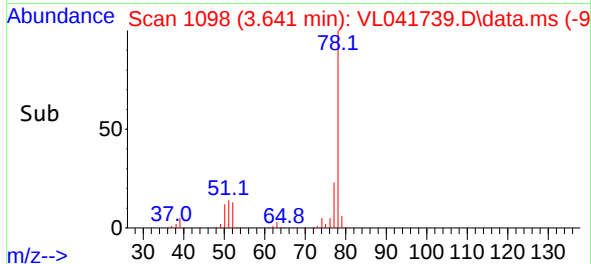
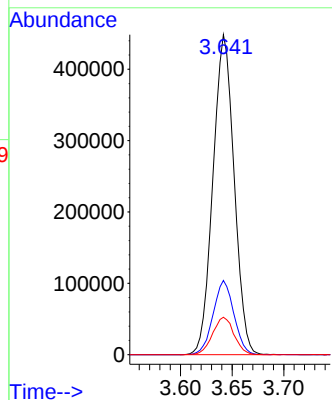
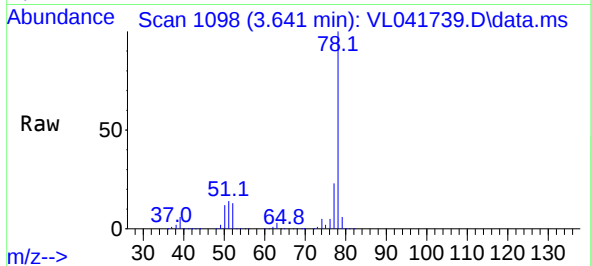




#36
Benzene
Concen: 6.762 ppbv
RT: 3.641 min Scan# 1098
Delta R.T. -0.023 min
Lab File: VL041739.D
Acq: 12 Dec 2024 08:26

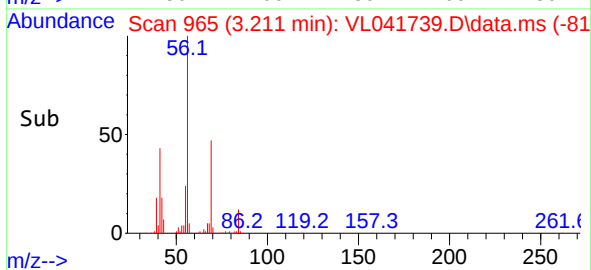
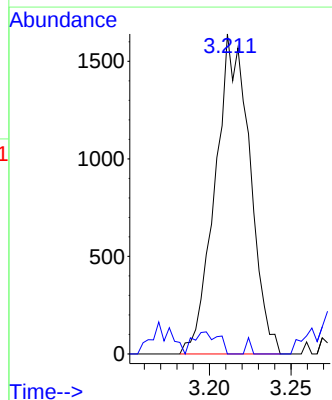
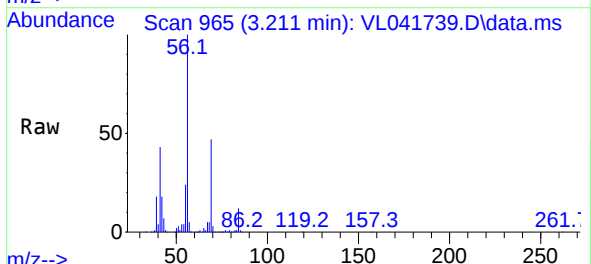
Instrument :
MSVOA_L
ClientSampleId :

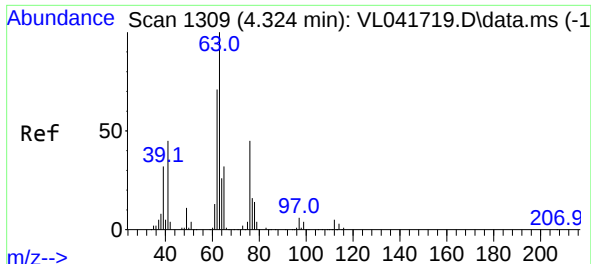
Tgt Ion: 78 Resp: 639755
Ion Ratio Lower Upper
78 100
77 23.2 18.6 27.8
50 11.7 9.5 14.3



#37
1,2-Dichloroethane
Concen: 0.071 ppbv
RT: 3.211 min Scan# 965
Delta R.T. -0.016 min
Lab File: VL041739.D
Acq: 12 Dec 2024 08:26

Tgt Ion: 62 Resp: 2429
Ion Ratio Lower Upper
62 100
98 5.7 9.4 14.2#

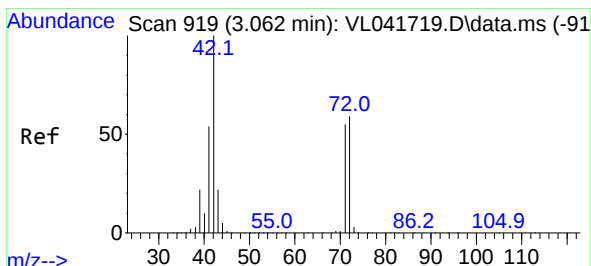
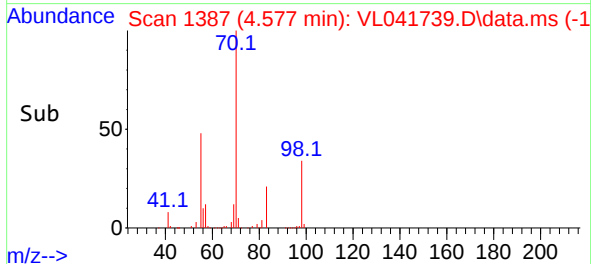
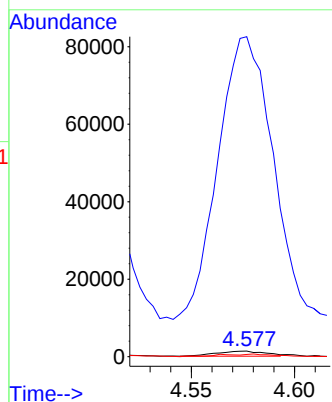
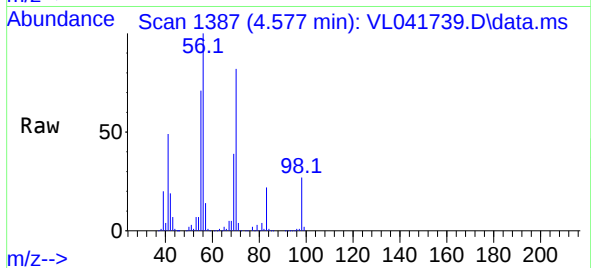




#39
1,2-Dichloropropane
Concen: 0.073 ppbv
RT: 4.577 min Scan# 11
Delta R.T. 0.252 min
Lab File: VL041739.D
Acq: 12 Dec 2024 08:26

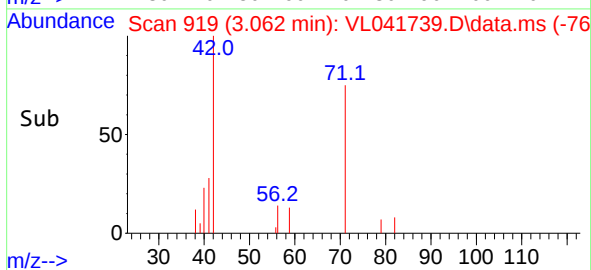
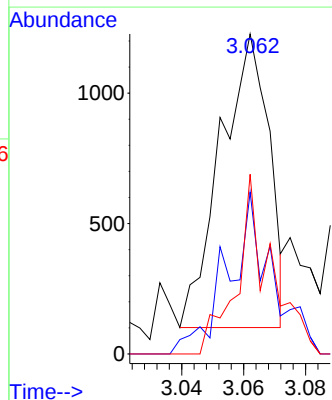
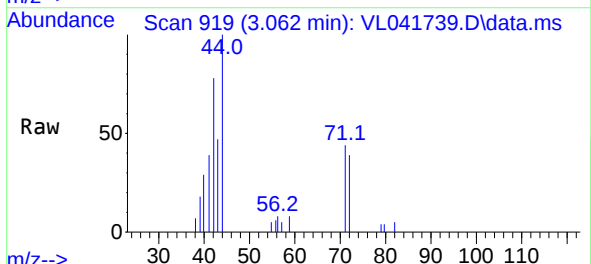
Instrument :
MSVOA_L
ClientSampleId :

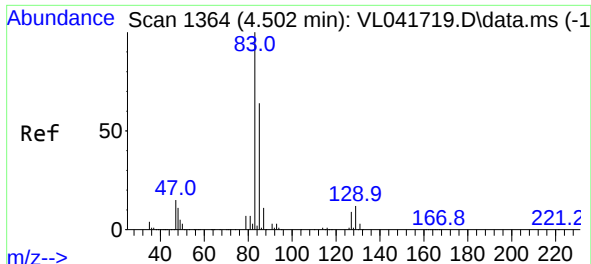
Tgt Ion: 63 Resp: 2193
Ion Ratio Lower Upper
63 100
41 5408.5 36.4 54.6#
62 44.3 56.6 85.0#



#41
Tetrahydrofuran
Concen: 0.048 ppbv
RT: 3.062 min Scan# 919
Delta R.T. -0.000 min
Lab File: VL041739.D
Acq: 12 Dec 2024 08:26

Tgt Ion: 42 Resp: 1227
Ion Ratio Lower Upper
42 100
72 49.7 47.4 71.0
71 0.0 44.4 66.6#





#42

Bromodichloromethane

Concen: 1.546 ppbv

RT: 4.499 min Scan# 1

Delta R.T. -0.003 min

Lab File: VL041739.D

Acq: 12 Dec 2024 08:26

Instrument :

MSVOA_L

ClientSampleId :

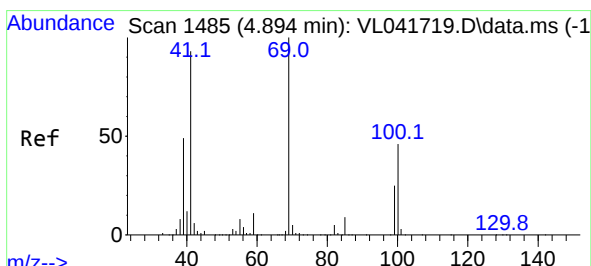
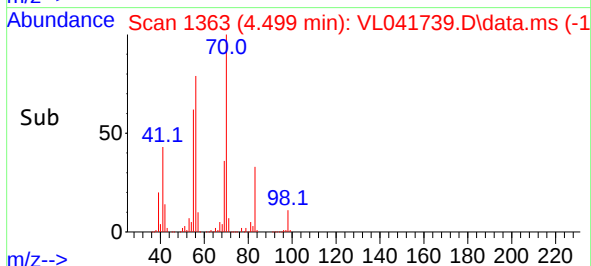
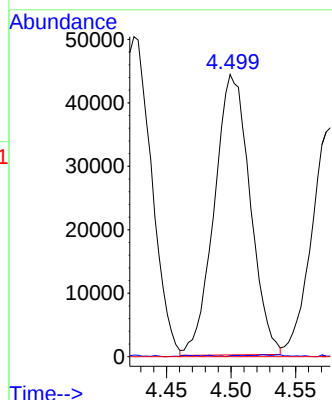
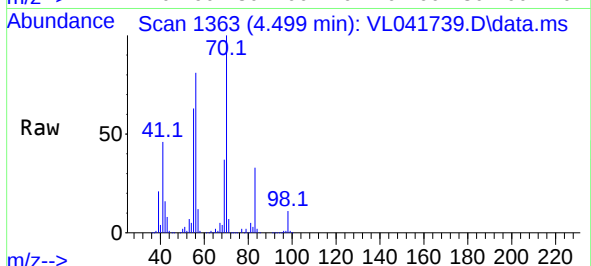
Tgt Ion: 83 Resp: 85285

Ion Ratio Lower Upper

83 100

85 0.2 51.0 76.6#

127 0.0 7.6 11.4#



#43

Methyl Methacrylate

Concen: 0.372 ppbv

RT: 4.962 min Scan# 1506

Delta R.T. 0.068 min

Lab File: VL041739.D

Acq: 12 Dec 2024 08:26

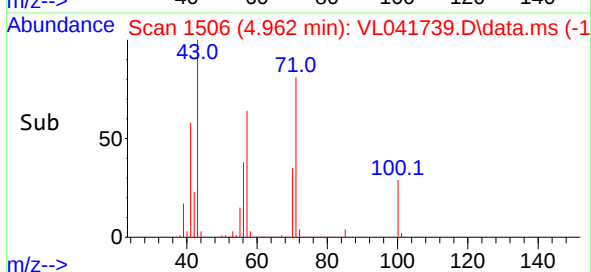
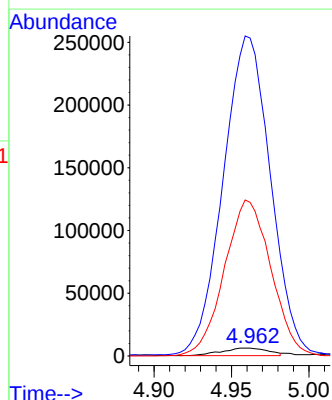
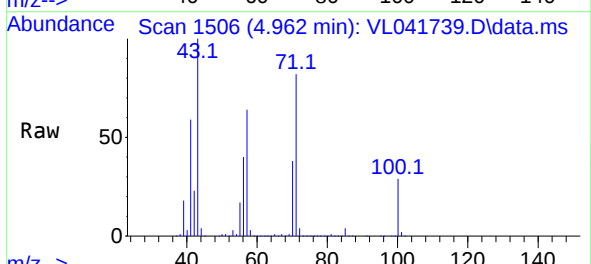
Tgt Ion: 69 Resp: 12665

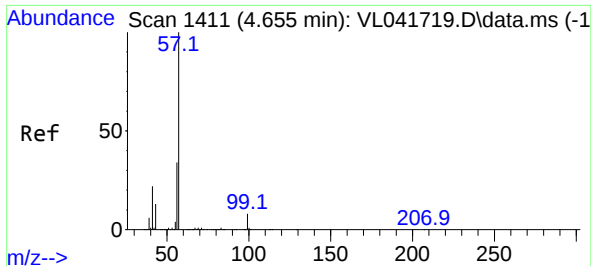
Ion Ratio Lower Upper

69 100

41 4342.0 74.6 112.0#

100 2054.2 35.5 53.3#





#44

2,2,4-Trimethylpentane

Concen: 0.768 ppbv

RT: 4.625 min Scan# 1411

Delta R.T. -0.029 min

Lab File: VL041739.D

Acq: 12 Dec 2024 08:26

Instrument :

MSVOA_L

ClientSampleId :

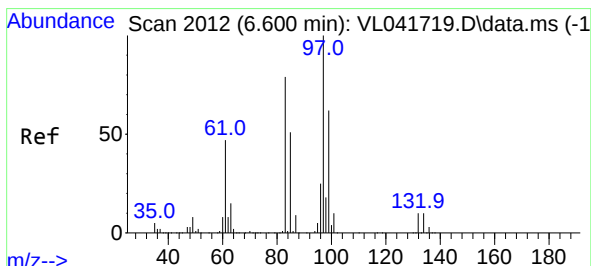
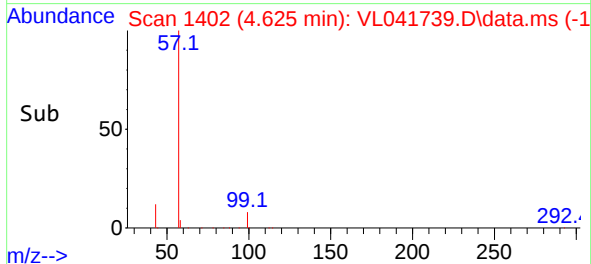
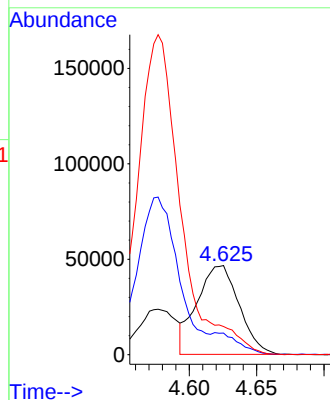
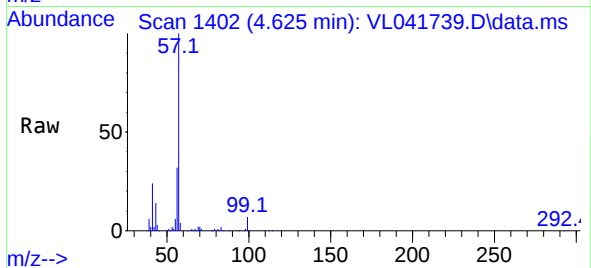
Tgt Ion: 57 Resp: 101183

Ion Ratio Lower Upper

57 100

41 0.0 17.2 25.8#

56 0.0 26.6 40.0#



#47

1,1,2-Trichloroethane

Concen: 0.993 ppbv

RT: 6.448 min Scan# 1965

Delta R.T. -0.152 min

Lab File: VL041739.D

Acq: 12 Dec 2024 08:26

Tgt Ion: 97 Resp: 39864

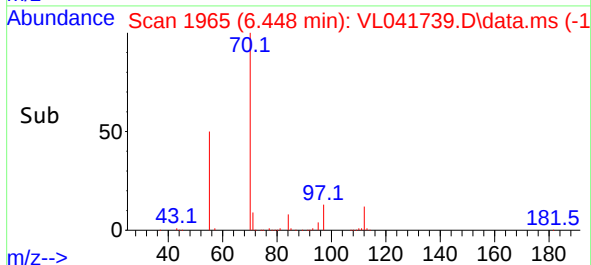
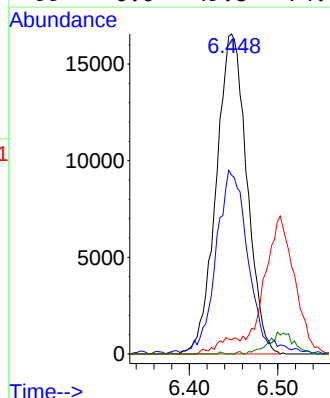
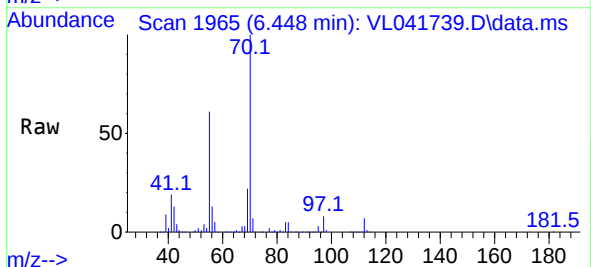
Ion Ratio Lower Upper

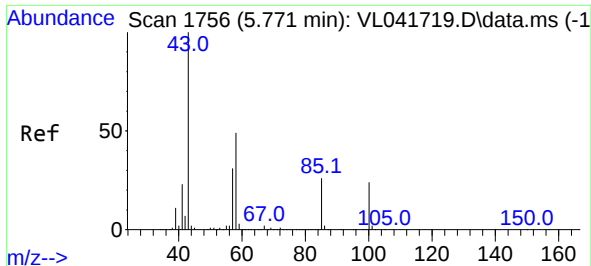
97 100

83 55.4 63.0 94.4#

85 4.4 41.0 61.6#

99 0.0 49.8 74.6#

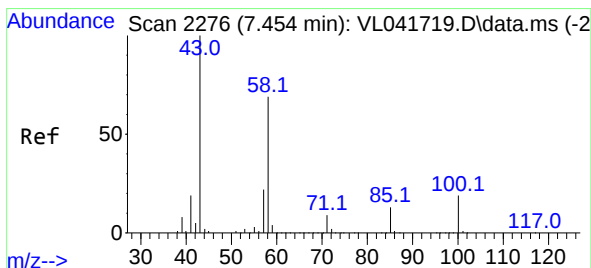
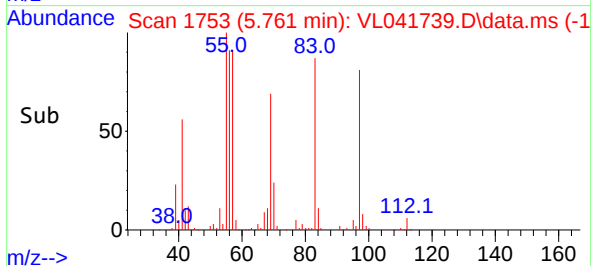
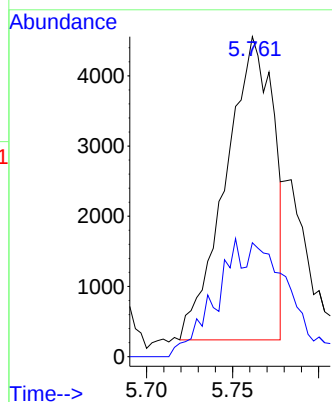
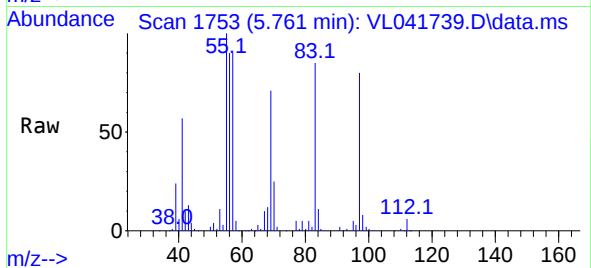




#50
4-Methyl-2-Pentanone
Concen: 0.139 ppbv
RT: 5.761 min Scan# 11
Delta R.T. -0.010 min
Lab File: VL041739.D
Acq: 12 Dec 2024 08:26

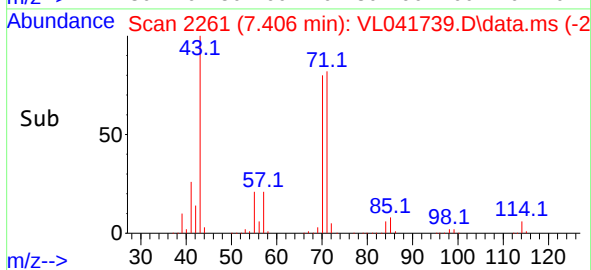
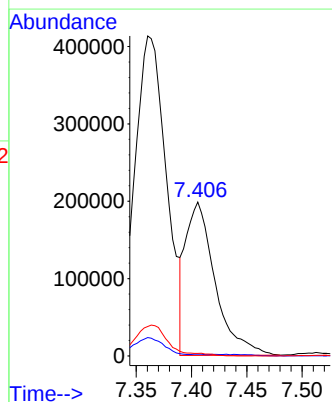
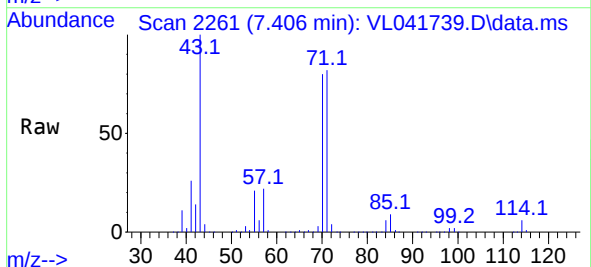
Instrument :
MSVOA_L
ClientSampleId :

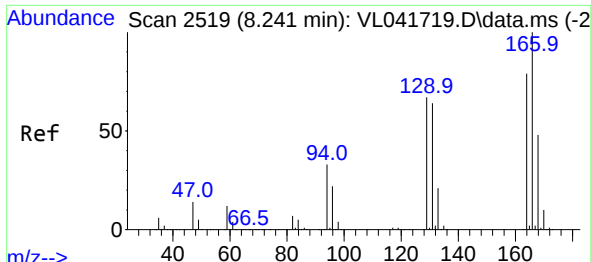
Tgt Ion: 43 Resp: 8369
Ion Ratio Lower Upper
43 100
58 56.3 38.9 58.3



#51
2-Hexanone
Concen: 7.402 ppbv
RT: 7.406 min Scan# 2261
Delta R.T. -0.049 min
Lab File: VL041739.D
Acq: 12 Dec 2024 08:26

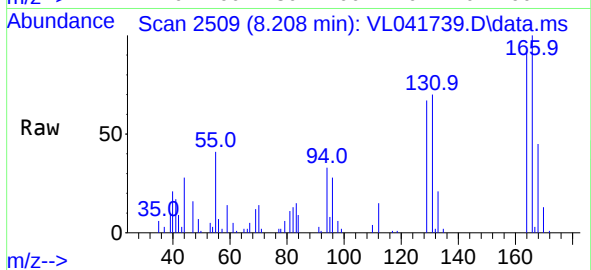
Tgt Ion: 43 Resp: 367917
Ion Ratio Lower Upper
43 100
58 1.4 54.2 81.4#
98 0.0 0.2 0.2#





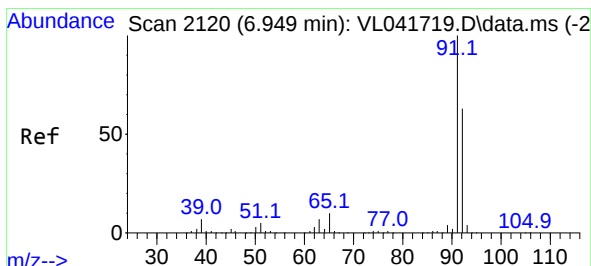
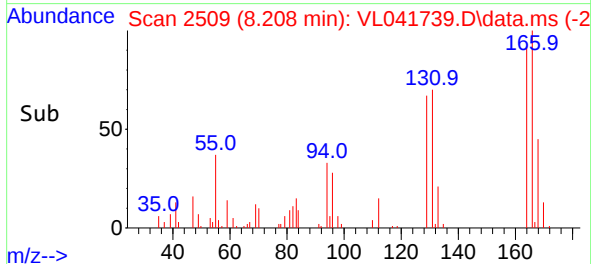
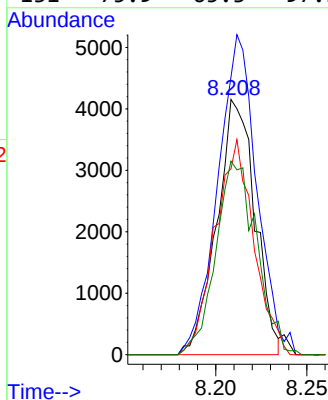
#52
Tetrachloroethene
Concen: 0.121 ppbv
RT: 8.208 min Scan# 2109
Delta R.T. -0.032 min
Lab File: VL041739.D
Acq: 12 Dec 2024 08:26

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion:164 Resp: 6045

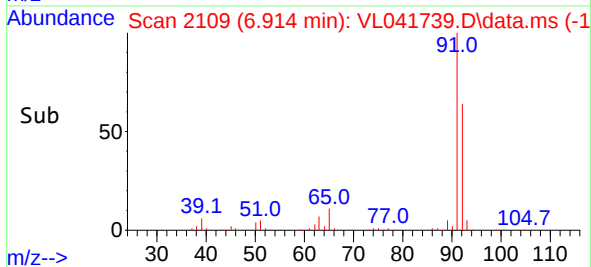
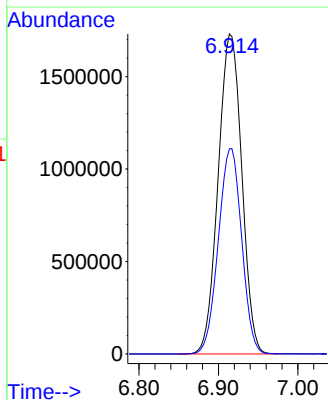
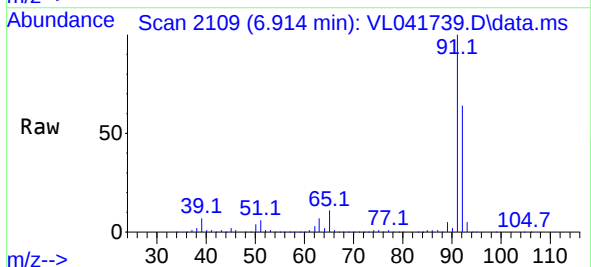
Ion	Ratio	Lower	Upper
164	100		
166	108.9	101.4	152.0
129	72.9	67.6	101.4
131	75.9	65.3	97.9

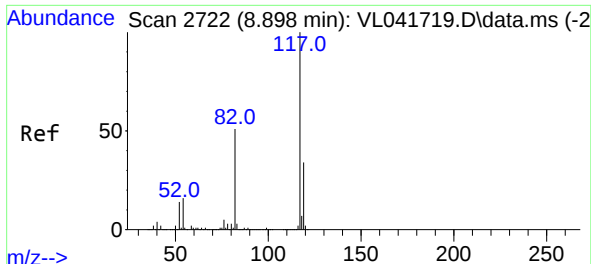


#53
Toluene
Concen: 30.700 ppbv
RT: 6.914 min Scan# 2109
Delta R.T. -0.036 min
Lab File: VL041739.D
Acq: 12 Dec 2024 08:26

Tgt Ion: 91 Resp: 3569413

Ion	Ratio	Lower	Upper
91	100		
92	63.4	49.7	74.5

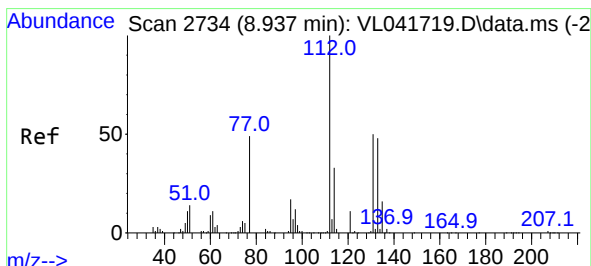
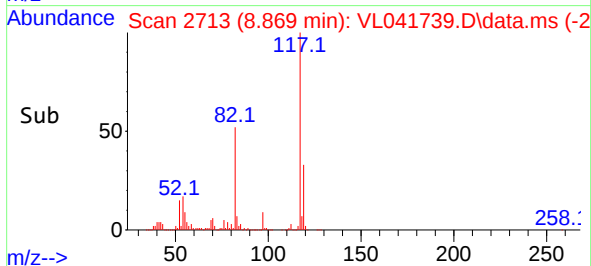
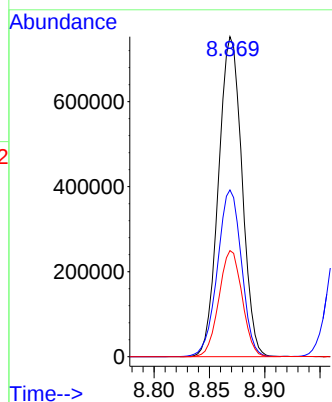
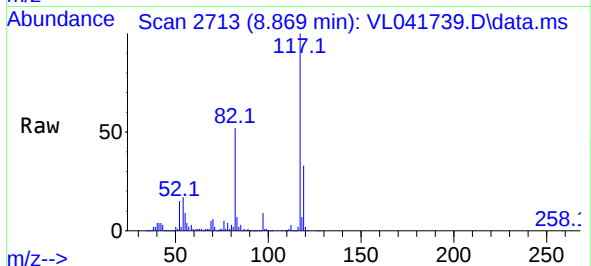




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.869 min Scan# 21
Delta R.T. -0.029 min
Lab File: VL041739.D
Acq: 12 Dec 2024 08:26

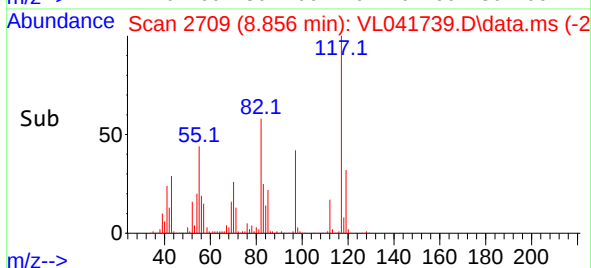
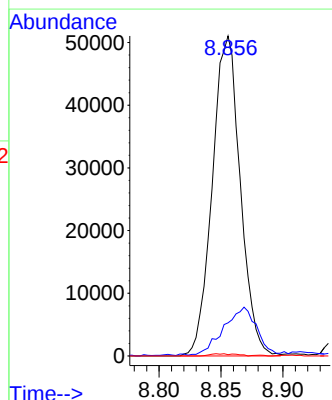
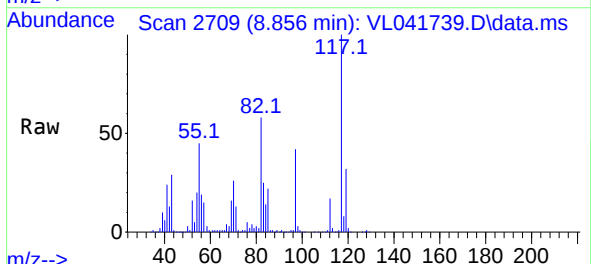
Instrument :
MSVOA_L
ClientSampleId :

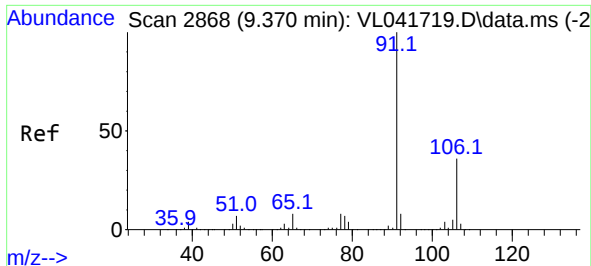
Tgt Ion:117 Resp: 1109265
Ion Ratio Lower Upper
117 100
82 53.5 41.3 61.9
119 32.8 25.8 38.8



#57
Chlorobenzene
Concen: 0.797 ppbv
RT: 8.856 min Scan# 2709
Delta R.T. -0.081 min
Lab File: VL041739.D
Acq: 12 Dec 2024 08:26

Tgt Ion:112 Resp: 80414
Ion Ratio Lower Upper
112 100
77 9.8 40.1 60.1#
114 0.4 30.2 36.9#





#58

Ethyl Benzene

Concen: 11.956 ppbv

RT: 9.344 min Scan# 21

Delta R.T. -0.026 min

Lab File: VL041739.D

Acq: 12 Dec 2024 08:26

Instrument :

MSVOA_L

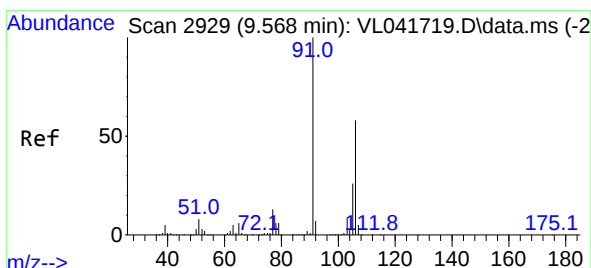
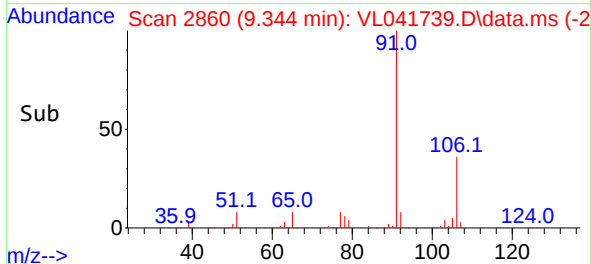
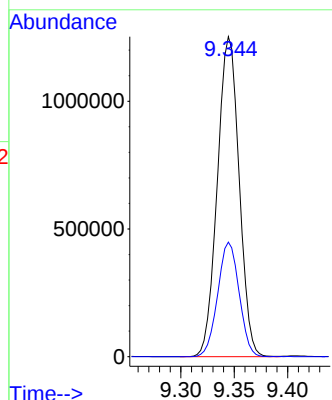
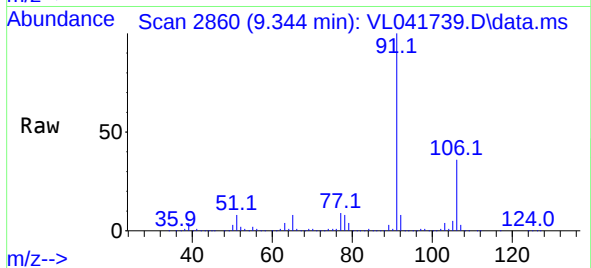
ClientSampleId :

Tgt Ion: 91 Resp: 1774836

Ion Ratio Lower Upper

91 100

106 35.8 28.6 43.0



#59

m/p-Xylene

Concen: 32.370 ppbv

RT: 9.522 min Scan# 2915

Delta R.T. -0.045 min

Lab File: VL041739.D

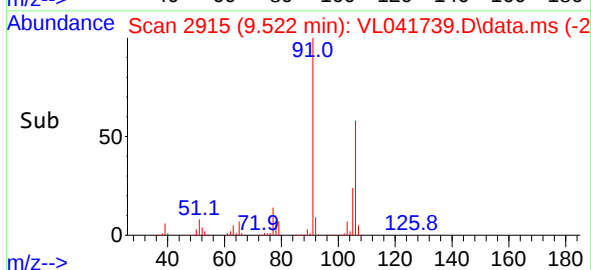
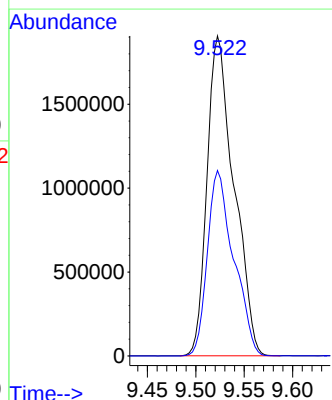
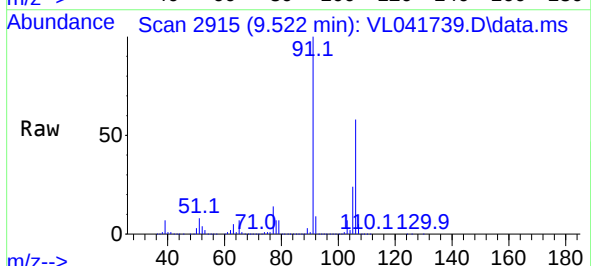
Acq: 12 Dec 2024 08:26

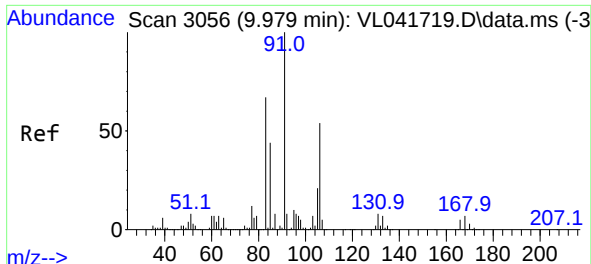
Tgt Ion: 91 Resp: 3682516

Ion Ratio Lower Upper

91 100

106 56.8 45.1 67.7





#60

o-Xylene

Concen: 13.389 ppbv

RT: 9.956 min Scan# 3056

Delta R.T. -0.023 min

Lab File: VL041739.D

Acq: 12 Dec 2024 08:26

Instrument :

MSVOA_L

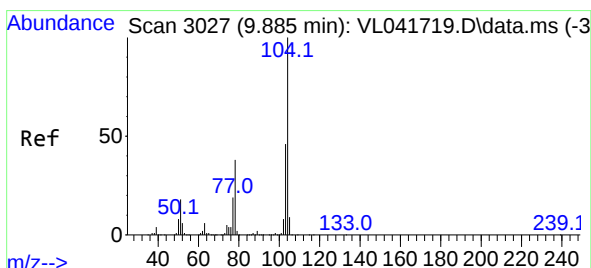
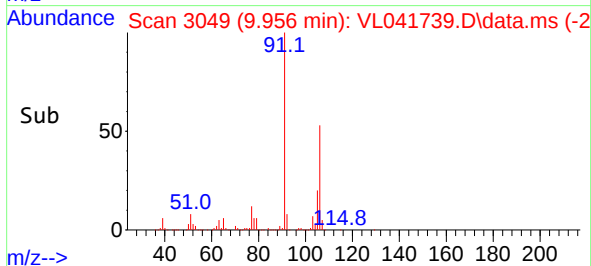
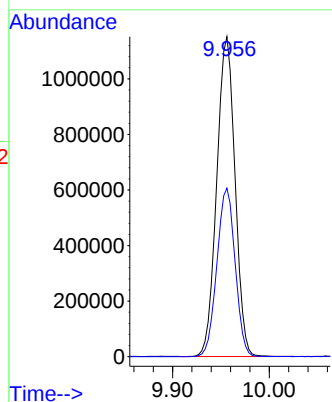
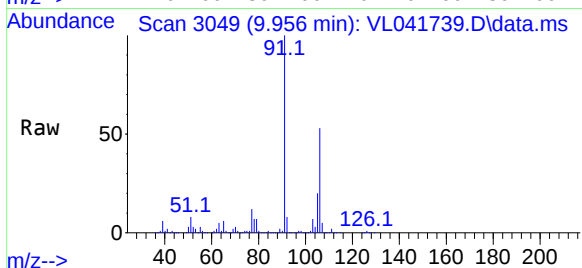
ClientSampleId :

Tgt Ion: 91 Resp: 1510074

Ion Ratio Lower Upper

91 100

106 52.5 26.8 80.4



#61

Styrene

Concen: 0.044 ppbv

RT: 9.859 min Scan# 3019

Delta R.T. -0.026 min

Lab File: VL041739.D

Acq: 12 Dec 2024 08:26

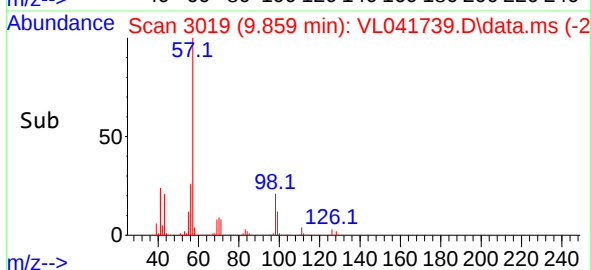
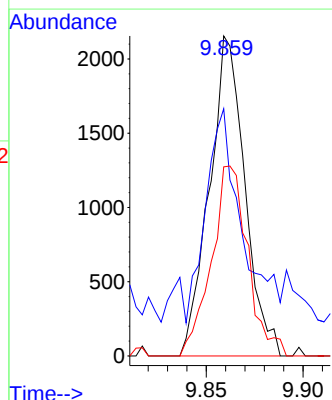
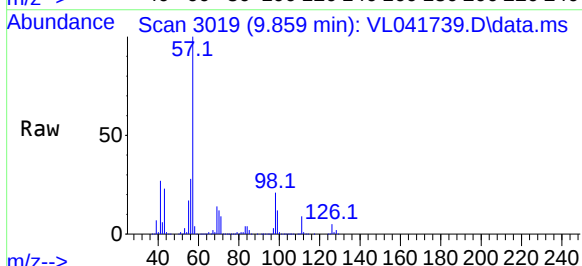
Tgt Ion: 104 Resp: 2736

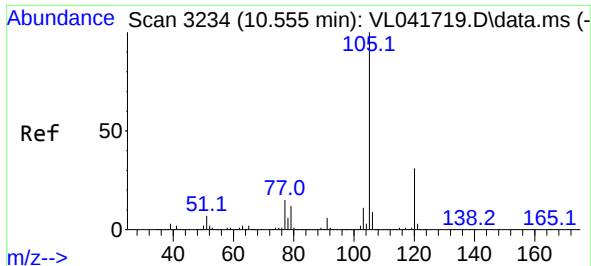
Ion Ratio Lower Upper

104 100

78 0.0 30.2 45.4#

103 0.0 36.7 55.1#





#62

Isopropylbenzene

Concen: 1.713 ppbv

RT: 10.532 min Scan# 31

Delta R.T. -0.023 min

Lab File: VL041739.D

Acq: 12 Dec 2024 08:26

Instrument :

MSVOA_L

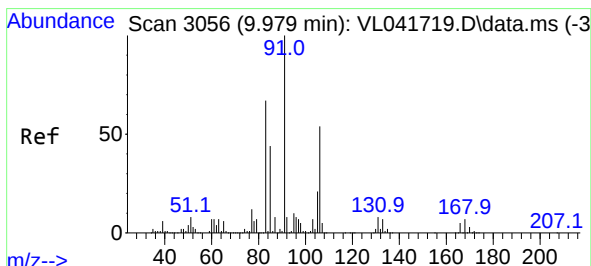
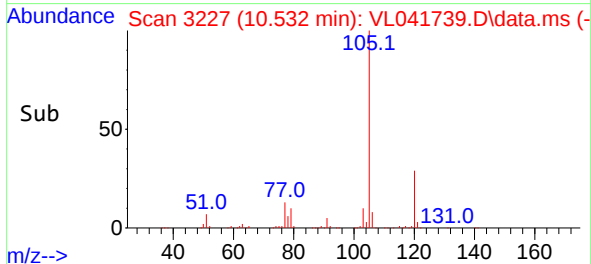
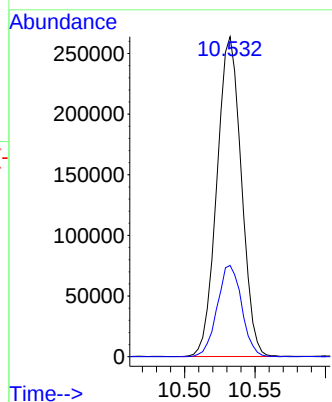
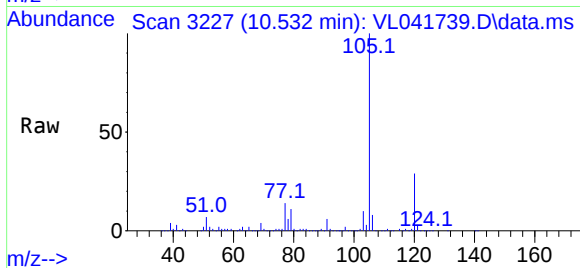
ClientSampleId :

Tgt Ion:105 Resp: 318661

Ion Ratio Lower Upper

105 100

120 28.6 24.3 36.5



#63

1,1,2,2-Tetrachloroethane

Concen: 0.198 ppbv

RT: 9.940 min Scan# 3044

Delta R.T. -0.039 min

Lab File: VL041739.D

Acq: 12 Dec 2024 08:26

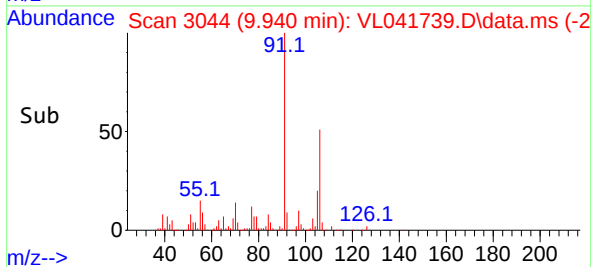
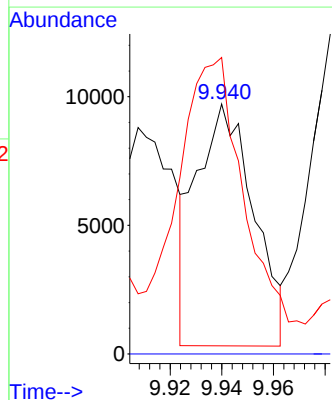
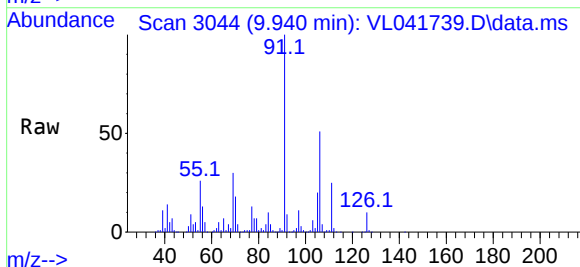
Tgt Ion: 83 Resp: 14459

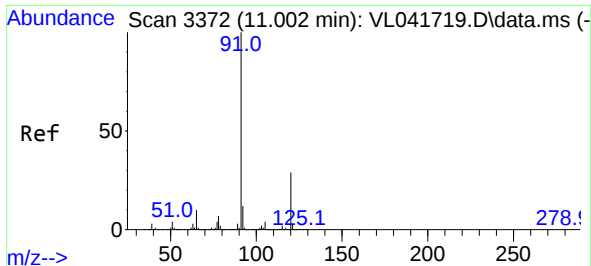
Ion Ratio Lower Upper

83 100

131 0.0 5.9 17.6#

85 137.9 32.8 98.4#

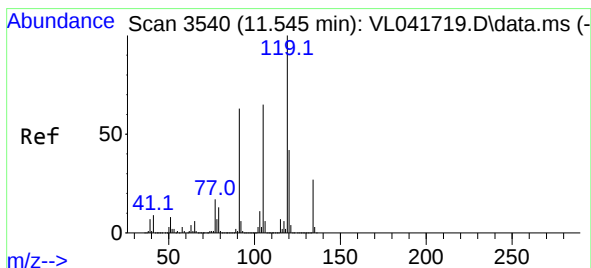
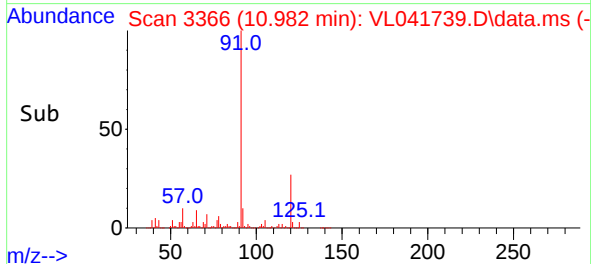
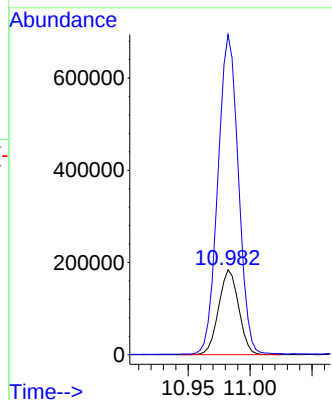
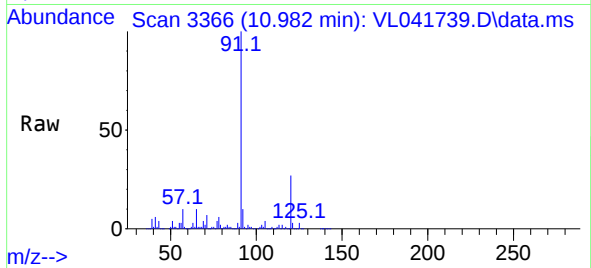




#64
n-propylbenzene
Concen: 3.786 ppbv
RT: 10.982 min Scan# 31
Delta R.T. -0.019 min
Lab File: VL041739.D
Acq: 12 Dec 2024 08:26

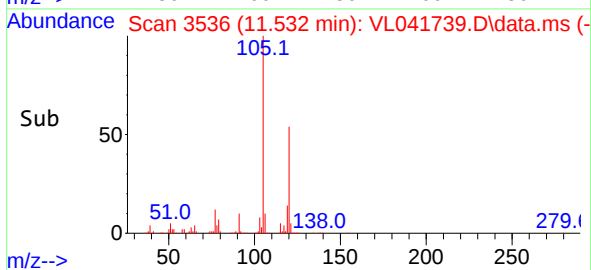
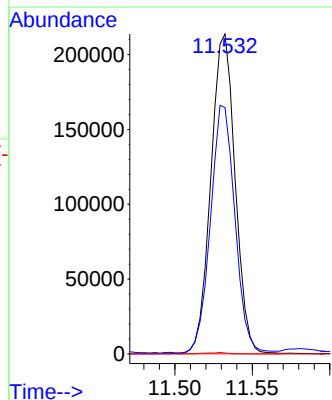
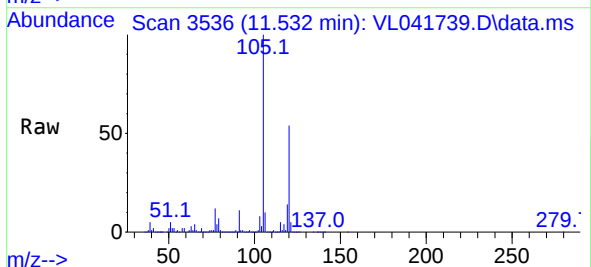
Instrument :
MSVOA_L
ClientSampleId :

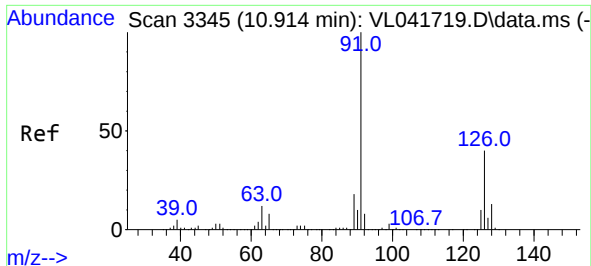
Tgt Ion:120 Resp: 207402
Ion Ratio Lower Upper
120 100
91 386.8 290.8 436.2



#65
tert-Butylbenzene
Concen: 1.319 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.013 min
Lab File: VL041739.D
Acq: 12 Dec 2024 08:26

Tgt Ion:119 Resp: 232560
Ion Ratio Lower Upper
119 100
91 78.3 50.2 75.4#
134 0.0 20.4 30.6#

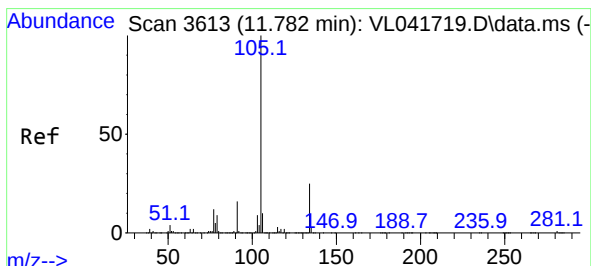
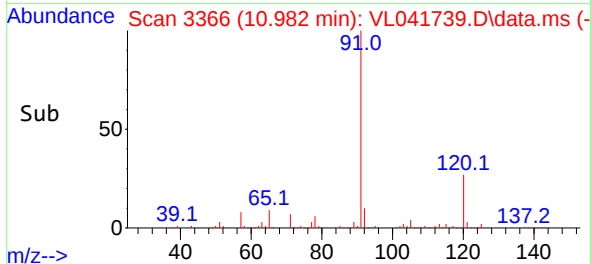
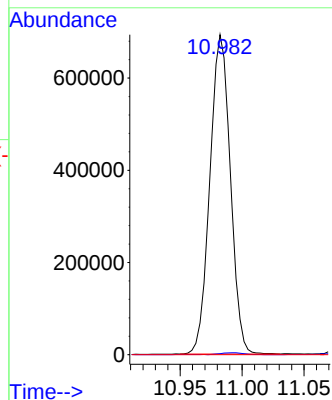
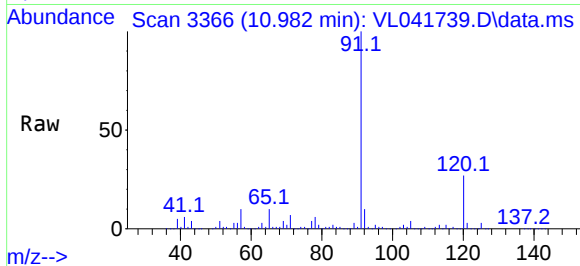




#66
Benzyl Chloride
Concen: 6.302 ppbv
RT: 10.982 min Scan# 31
Delta R.T. 0.068 min
Lab File: VL041739.D
Acq: 12 Dec 2024 08:26

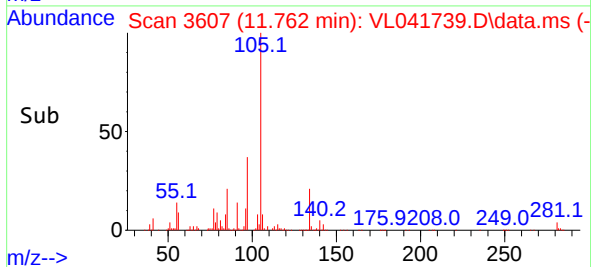
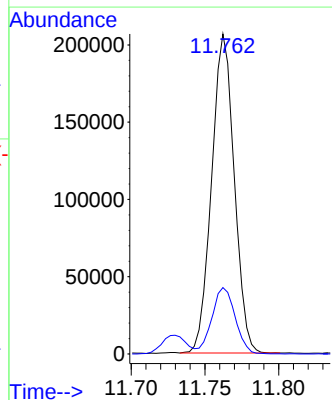
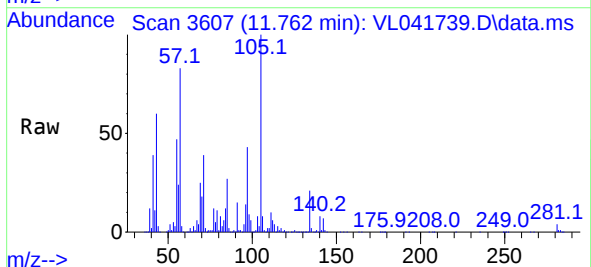
Instrument :
MSVOA_L
ClientSampleId :

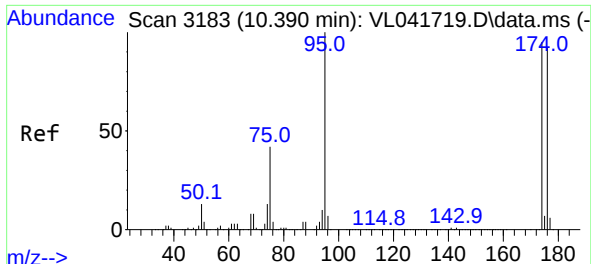
Tgt Ion: 91 Resp: 797127
Ion Ratio Lower Upper
91 100
126 0.8 31.8 47.8#
128 0.0 10.3 15.5#



#67
sec-Butylbenzene
Concen: 0.965 ppbv
RT: 11.762 min Scan# 3607
Delta R.T. -0.019 min
Lab File: VL041739.D
Acq: 12 Dec 2024 08:26

Tgt Ion: 105 Resp: 220314
Ion Ratio Lower Upper
105 100
134 27.9 19.3 28.9

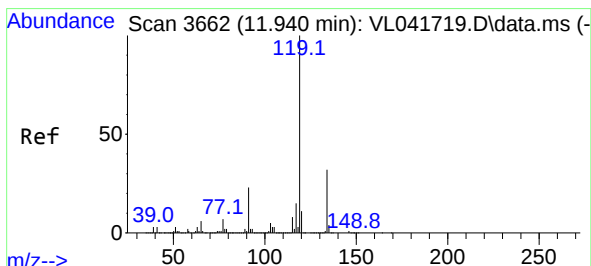
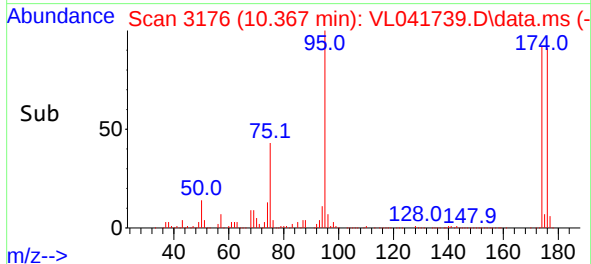
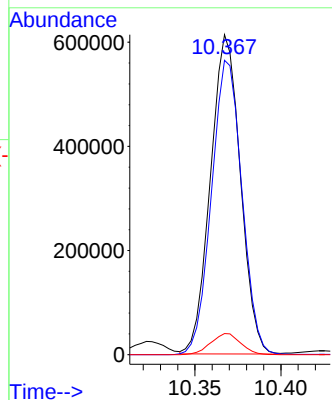
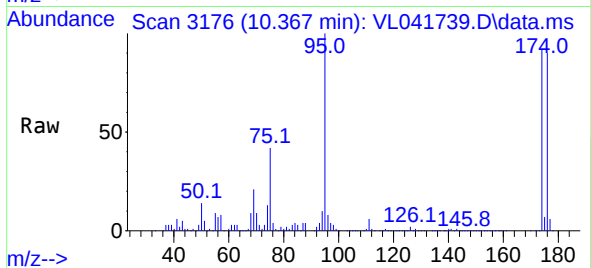




#68
1-Bromo-4-Fluorobenzene
Concen: 10.160 ppbv
RT: 10.367 min Scan# 3183
Delta R.T. -0.023 min
Lab File: VL041739.D
Acq: 12 Dec 2024 08:26

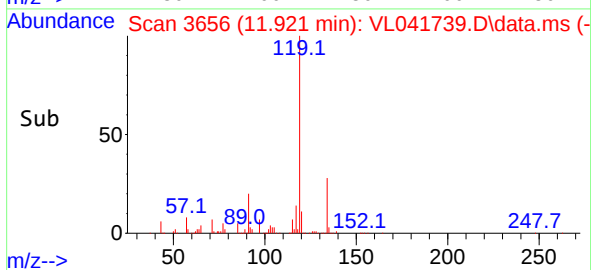
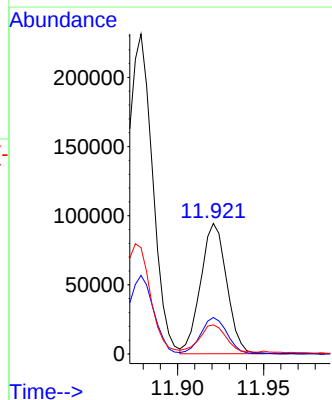
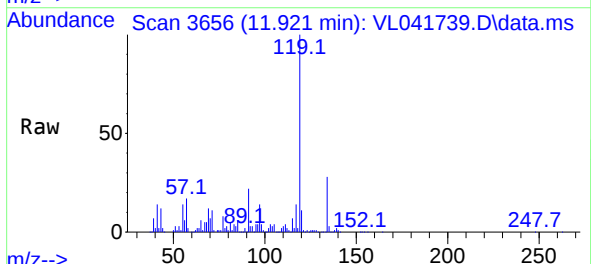
Instrument :
MSVOA_L
ClientSampleId :

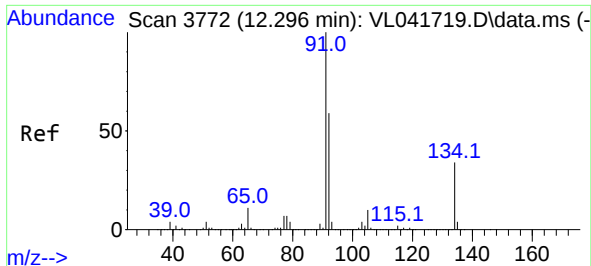
Tgt Ion: 95 Resp: 740905
Ion Ratio Lower Upper
95 100
174 94.1 76.7 115.1
175 6.6 5.4 8.2



#69
p-Isopropyltoluene
Concen: 0.505 ppbv
RT: 11.921 min Scan# 3656
Delta R.T. -0.020 min
Lab File: VL041739.D
Acq: 12 Dec 2024 08:26

Tgt Ion: 119 Resp: 99366
Ion Ratio Lower Upper
119 100
134 28.6 24.6 36.8
91 24.0 17.8 26.8

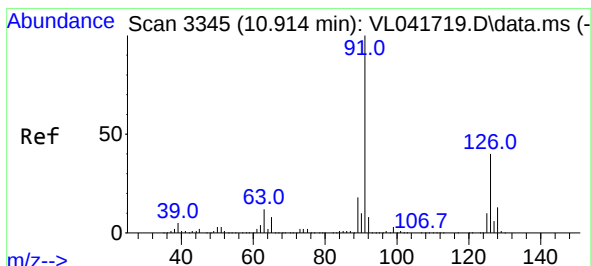
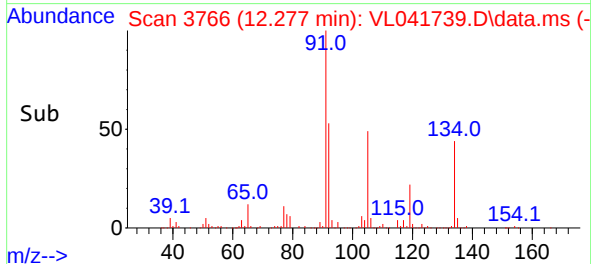
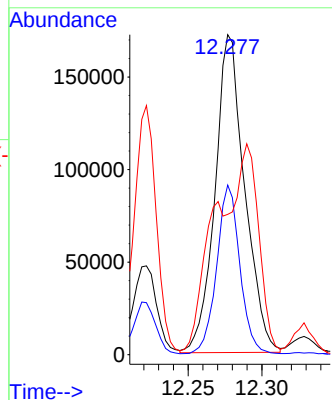
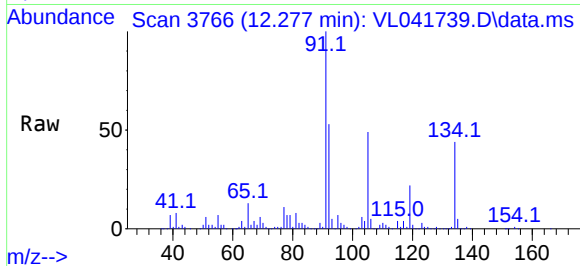




#70
n-Butylbenzene
Concen: 1.472 ppbv
RT: 12.277 min Scan# 31
Delta R.T. -0.020 min
Lab File: VL041739.D
Acq: 12 Dec 2024 08:26

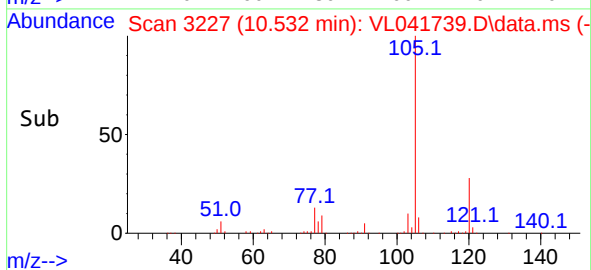
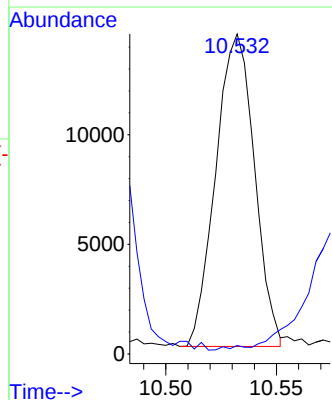
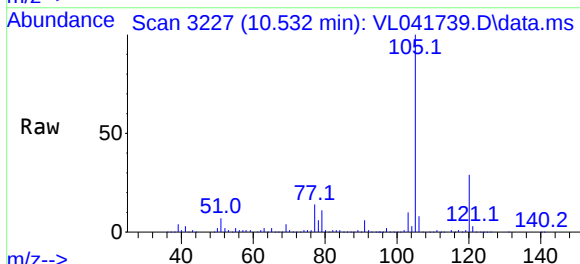
Instrument :
MSVOA_L
ClientSampleId :

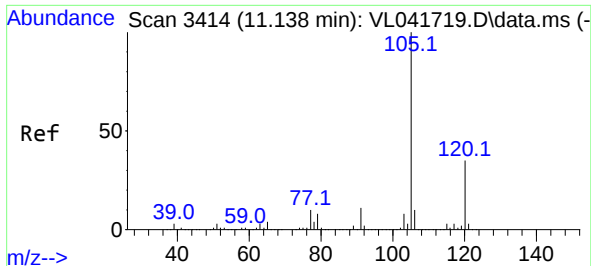
Tgt Ion: 91 Resp: 240477
Ion Ratio Lower Upper
91 100
92 42.3 46.7 70.1#
134 100.6 26.2 39.4#



#71
2-Chlorotoluene
Concen: 0.137 ppbv
RT: 10.532 min Scan# 3227
Delta R.T. -0.382 min
Lab File: VL041739.D
Acq: 12 Dec 2024 08:26

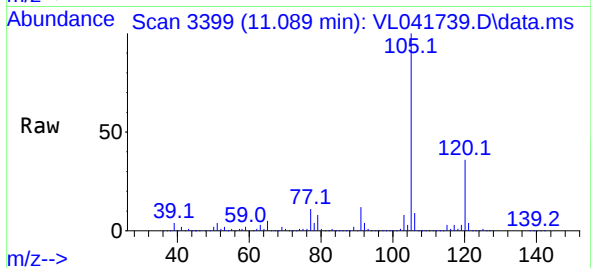
Tgt Ion: 91 Resp: 17330
Ion Ratio Lower Upper
91 100
126 37.9 15.9 63.7



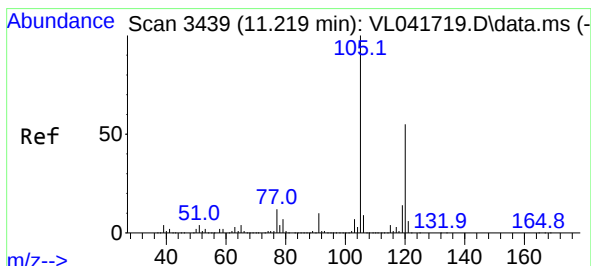
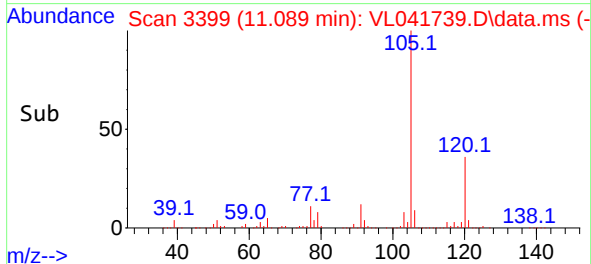
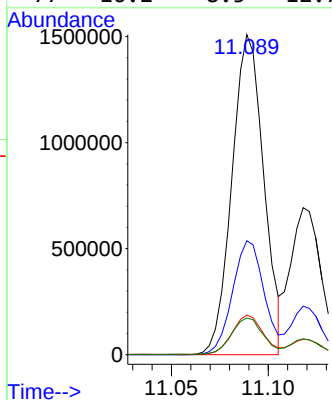


#72
4-Ethyltoluene
Concen: 11.846 ppbv
RT: 11.089 min Scan# 311
Delta R.T. -0.049 min
Lab File: VL041739.D
Acq: 12 Dec 2024 08:26

Instrument :
MSVOA_L
ClientSampleId :

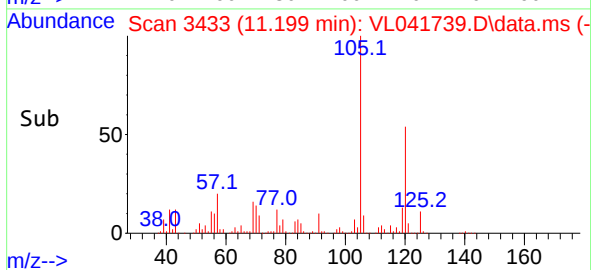
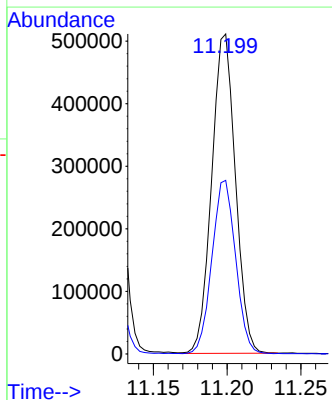
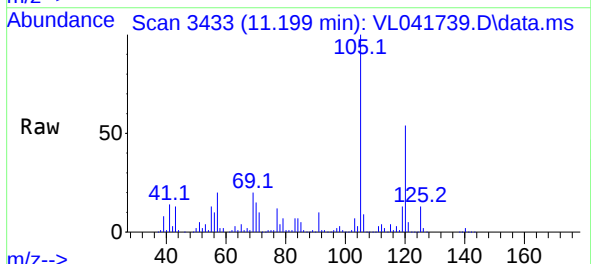


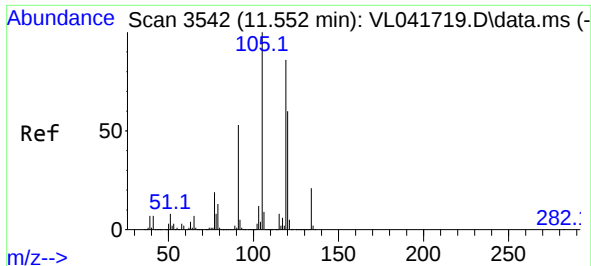
Tgt Ion:105 Resp: 1725153
Ion Ratio Lower Upper
105 100
120 49.7 28.0 42.0#
91 16.7 8.8 13.2#
77 16.2 8.5 12.7#



#73
1,3,5-Trimethylbenzene
Concen: 4.848 ppbv
RT: 11.199 min Scan# 3433
Delta R.T. -0.020 min
Lab File: VL041739.D
Acq: 12 Dec 2024 08:26

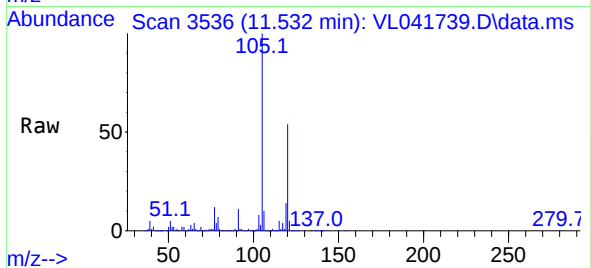
Tgt Ion:105 Resp: 571142
Ion Ratio Lower Upper
105 100
120 54.2 43.6 65.4





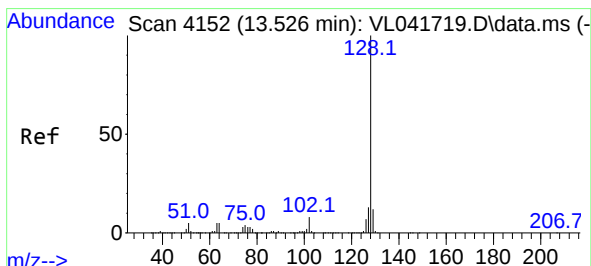
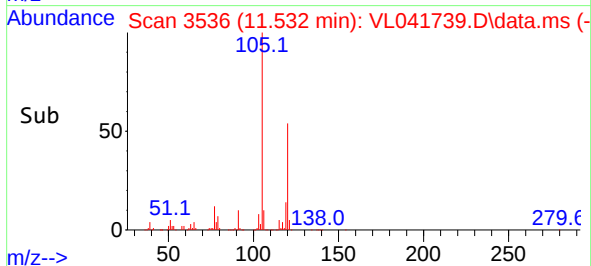
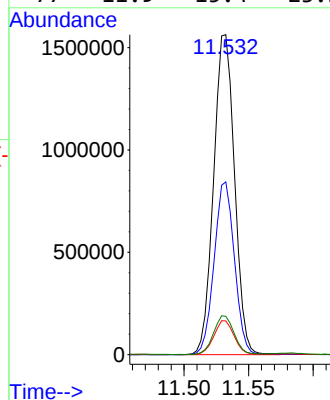
#74
1,2,4-Trimethylbenzene
Concen: 13.750 ppbv
RT: 11.532 min Scan# 31
Delta R.T. -0.020 min
Lab File: VL041739.D
Acq: 12 Dec 2024 08:26

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion:105 Resp: 1761093

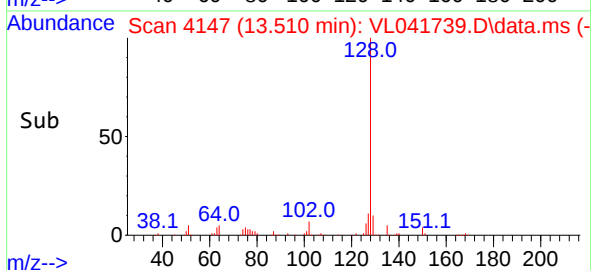
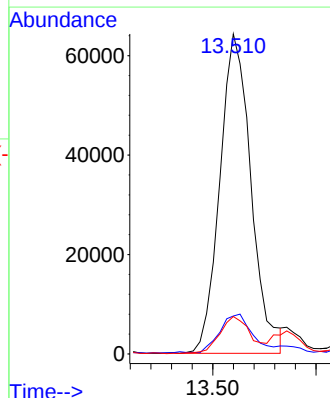
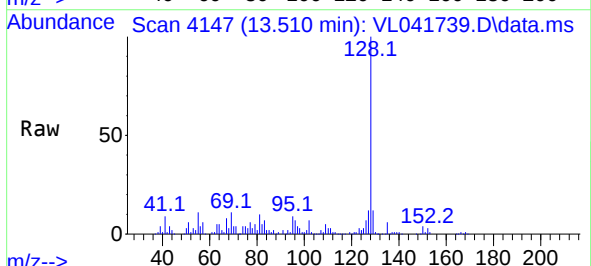
Ion	Ratio	Lower	Upper
105	100		
120	54.0	47.8	71.6
91	10.5	42.5	63.7#
77	11.9	15.4	23.2#

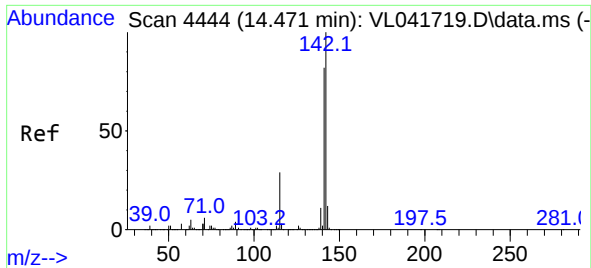


#79
Naphthalene
Concen: 0.615 ppbv
RT: 13.510 min Scan# 4147
Delta R.T. -0.016 min
Lab File: VL041739.D
Acq: 12 Dec 2024 08:26

Tgt Ion:128 Resp: 67426

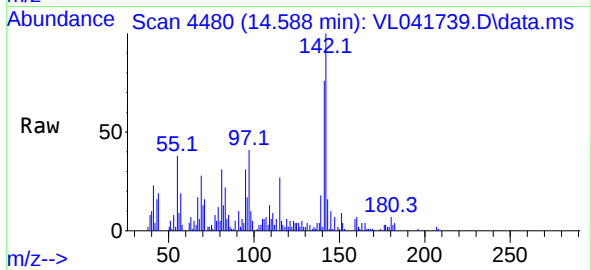
Ion	Ratio	Lower	Upper
128	100		
127	11.2	10.2	15.2
129	11.6	9.4	14.0





#80
Naphthalene, 2-methyl-
Concen: 0.194 ppbv
RT: 14.588 min Scan# 44
Delta R.T. 0.116 min
Lab File: VL041739.D
Acq: 12 Dec 2024 08:26

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion:	142	Resp:	7707
Ion	Ratio	Lower	Upper
142	100		
141	83.6	66.0	99.0
115	34.1	22.8	34.2

